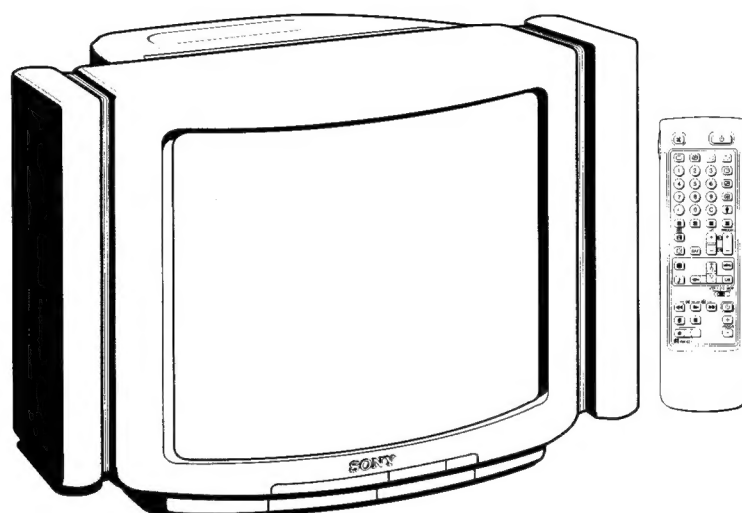


SERVICE MANUAL

AE-2A CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-E2541A	RM-831	Italian	SCC-G12A-A	KV-E2543E	RM-831	Spanish	SCC-G15A-A
KV-E2541B	RM-831	French	SCC-G13A-A	KV-E2542U	RM-831	UK	SCC-G16A-A
KV-E2541D	RM-831	AEP	SCC-G14A-A				



Super Trinitron



TRINITRON® COLOR TV
SONY®

Specifications

ITEM	MODEL	Television system	Stereo system	Channel coverage	Color system
Italian		B/G/H, D/K	GERMAN Stereo	ITALIA VHF:A-H2 (C) UHF:21-69 PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
French		B/G/H, D/K L, I	GERMAN Stereo	L VHF:F02-F10 UHF:F21-F60 CABLE:B-Q B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69 I UHF:B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
AEP		B/G/H, D/K	GERMAN Stereo	PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish		B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
UK		I	NICAM Stereo	UHF : B21-B69	PAL SECAM, NTSC 4.43 NTSC 3.58 (VIDEO IN)

MODEL	Italian	French	AEP	Spanish	UK
Power consumption	108 W	120 Wh	117 Wh	120 Wh	175 W

Picture tube Super Trinitron
Approx. 63 cm (25 inches)
(Approx. 60 cm picture measured diagonally)
110° -deflection

【REAR】

- ① 1 21-pin Euro connector (CENELEC standard)
- Inputs for audio and video signals
 - inputs for RGB
 - outputs of TV video and audio signals
- ② 2/- 2 21-pin Euro connector
 - inputs for audio and video signals
 - inputs for S video
 - outputs for audio and video signals (selectable)
- ③ 4/- 4 21-pin Euro connector
 - inputs for audio and video signals
 - inputs for S video
 - outputs for audio and video signals (monitor out)
- ④ 2, ⑤ 4 S video inputs
 - 4 pin DIN
- ⑥ Audio inputs (L, R) - phono jacks
- ⑦ S video output - 4 pin DIN
- ⑧ Audio outputs - phono jacks
- ⑨ Audio outputs (variable) - phono jacks
- External speaker terminals : 2-pin DIN
- Woofer terminal : 2-pin

【FRONT】

- ① 3 Video input-phono jack
- ② Audio input-phono jacks
- ③ 3 S video input 4-pin DIN
- ④ Headphone jack : Stereo minijack

Sound output 2×11W Side Speakers (RMS)
25W Woofer(RMS)
2×25W Side Speakers (Music)

Power requirement 220-240V
Dimensions Approx.725 x 551 x 495 mm
Weight Approx.40kg
Supplied accessories RM-831 Remote Commander (1)
IEC designation R6 batteries (2)
Other features NICAM, FASTEXT


【RM-831】

Remote control system infrared control
Power requirements 3V dc
2 batteries IEC designation R6 (size AA)
Dimensions Approx.65×225×21mm (w/h/d)
Weight Approx.157g (Not including Batteries)

Design and specifications are subject to change without notice.

Model name Item	KV-E2541A	KV-E2541B	KV-E2541D	KV-E2543E	KV-E2542U
Pal Comb	ON	ON	ON	ON	ON
PiP	ON	ON	ON	ON	ON
RGB Priority	ON	ON	OFF	OFF	OFF
Woofers Box	ON	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON	ON
Dyn. Convergence	OFF	OFF	OFF	OFF	OFF
Projector	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON
Norm B/G	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF
Language Preset	Italiano	Francais	Deutsch	None	English

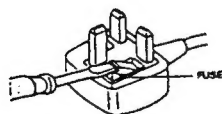
WARNING KV-E2542U only

The flexible mains lead is supplied to connected a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, ie carries the  mark.

If the plug supplied with this appliance is not suitable for your socket outlets in your home, it should be cut off and an appropriate plug fitted.

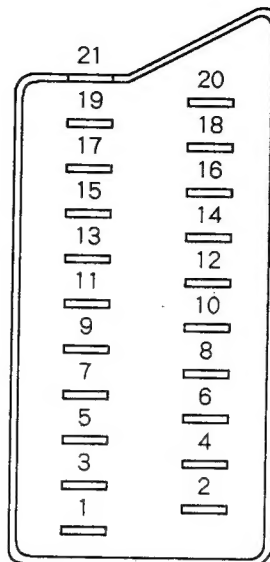
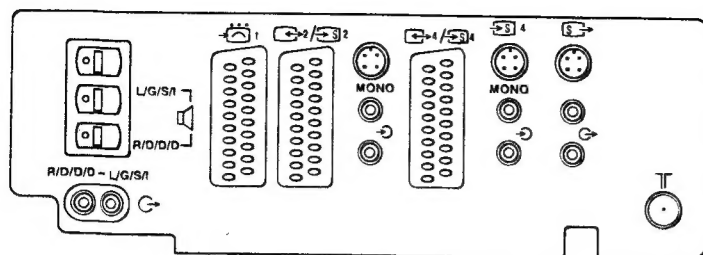
The plug severed from the mains lead must be destroyed as a plug with bared wires is dangerous if engaged in a live socket outlet.

When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.



How to replace the fuse
Open the fuse compartment with the blade screwdriver, and replace the fuse.

21 pin connector (1 2/4)



Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5Vrms Output impedance : Less than 1kohm *
2	○	○	Audio input B (right)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
3	○	○	Audio output A (left)	Standard level : 0.5Vrms Output impedance : Less than 1kohm *
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
7	○	●	Blue input	0.7 ± 3dB, 75ohms, positive
8	○	○	Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More than 10kohms Input capacitance : Less than 2nF
9	○	○	Ground (green)	
10	○	○	Open	
11	○	●	Green	Green signal : 0.7V ± 3dB, 75ohms, positive
12	○	○	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	—	Red input	0.7V ± 3dB, 75ohms, positive
	—	○	(S signal) croma input	0.3V ± 3dB, 75ohms, positive
16	○	●	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V ± 3dB, 75ohms, positive Sync : 0.3V (-3, +10dB)
20	○	—	Video input	1V ± 3dB, 75ohms, positive Sync : 0.3V (-3, +10dB)
	—	○	Video Input/Y (S signal)	1V ± 3dB, 75ohms, positive Sync : 0.3V (-3, +10dB)
21	○	○	Common ground (plug, shield)	

○ Connected ● unconnected (open) * at 20Hz ~ 20kHz

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND, IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.


ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

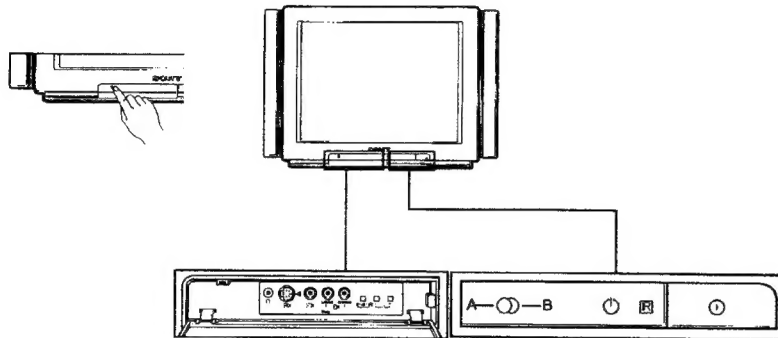
Overview

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

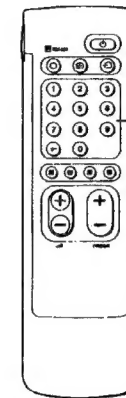
This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set - front

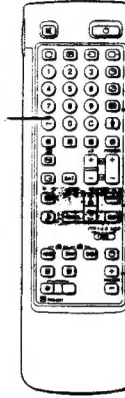


Symbol	Name	Refer to page
⏻	Main power switch	14
⏻	Standby indicator	14
A-CD-B	Stereo A/B indicators	16
🔊	Headphones jack	22
📺, 📺, 📺	Input jacks (S-video/video/audio)	22
📺	Function selector (Programme/volume/input)	15
⏮, ⏪, ⏩, ⏭	Adjustment buttons for function selector	15

Remote Commander RM-831



Simple side



Full-Function side

Note
The SAT button does not operate with this TV.

TV/Teletext operation

Symbol	Name	Refer to Page
🔇	Mute on/off button	15
⏻	Standby button	14
📺	TV power on/TV mode selector button	14
📺	Teletext button	15
📺	Input mode selector	15
📺	Output mode selector	23
1,2,3,4,5,6,7,8,9, and 0	Number buttons	14
⏮	Double-digit entering button	14
C	Direct channel entering button	11
Δ+/-	Volume control button	14
PROGR +/-	Programme selectors	14
📺	Teletext page access buttons	19
📺	Picture adjustment button	16
📺	Sound adjustment button	16
📺	On-screen display button	15
📺	Teletext hold button	19
📺	Time display button	15
📺	Fasttext buttons	19

PIP (Picture-in-picture) operation

Symbol	Name	Refer to Page
📺	PIP on / off button	18
📺	PIP source selector	18
📺	Swap button	18
📺	PIP position changing button	18

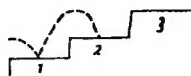
Menu operation

Symbol	Name	Refer to Page
MENU	Menu on / off button	8
Δ+/-	Select buttons	8
OK	OK (confirming) button	8
⏮	Back button	8

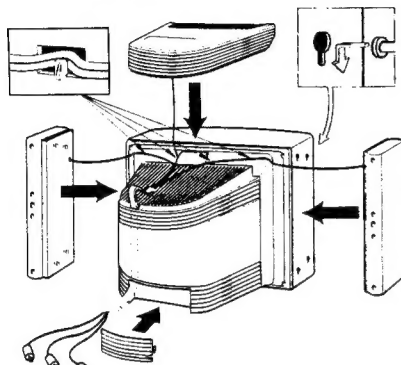
Video operation

Symbol	Name	Refer to Page
VTR1/2/3	Video equipment selector	24
MDP		
⏮, ⏪, ⏩, ⏭	Video equipment operation buttons	24

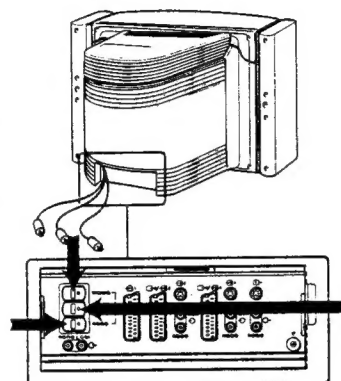
Step 2 Connection



1 Connect the speakers and the woofer

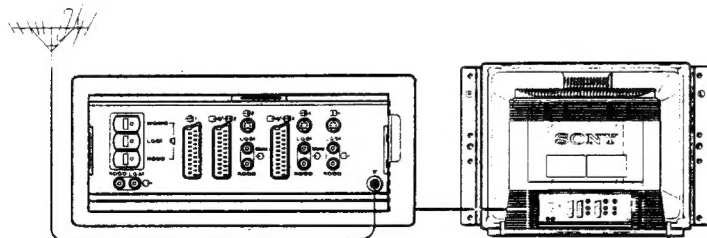


Hook the two side speakers (L = Left, R = Right) into the openings on both sides of the TV. Clip the cables of the speakers into the hooks on top of the set and pass the cables down through the opening at the rear of the TV (see above illustration). Plug the connectors of the speaker cords into the rear of the TV (L/G/S/I for the left box, R/D/D/D for the right box with the longer cable).



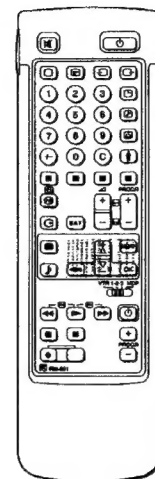
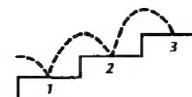
Pass the cable of the woofer down through the opening at the rear of the set. Place the woofer on top of the TV and plug the connector of the woofer into the rear of the TV (W/G/W/G).

2 Connect the aerial



Fit an IEC aerial connector attached to 75-ohm coaxial cable (not supplied) to the TV socket at the rear of the TV.

Step 3 Tuning in to TV Stations



Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.

Before you begin

- Check that the Full-Function side of the Remote Commander is visible.
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

1 Choose a language

- Depress on the TV. The TV will switch on. If the standby indicator on the TV is lit, press or a number button on the Remote Commander.
- Press the MENU button. The LANGUAGE menu appears. (See Fig. 1)
- Select the language you want with or , and then press OK.



Fig. 1.



2 Display the Menu

Press the button. The main menu appears. (See Fig. 2)

Now, choose one of the methods described overleaf:

"Preset Channels Automatically"

or

"Preset Channels Manually".



Fig. 2.

To go back to main menu: Keep pressing .

To go back to the normal TV picture: Press MENU. Normal TV picture will be restored after one minute if menu functions are not selected.

Note on the Demo function: If you choose Demo on the main menu, you can see a sequential demonstration of the menu functions. Press MENU to stop the function.

With this method, you can preset all receivable channels at once.

To stop automatic channel presetting:
Press \leftarrow on the Remote Commander.

Notes:

*After presetting the channels automatically, you can check which channels are stored on which programme positions. For details, see "Using the Programme Table" on page 17.

*You can exchange the programme positions to have them appear on screen in the order you like. For details, see "Exchanging the Programme Positions" on page 11.

Use this method if there are only a few channels in your area to preset or if you want to preset channels one by one. You may also allocate programme numbers to various video input sources.

If you have made a mistake:
Press \leftarrow to go back to the previous position.
To go back to main menu
Keep pressing \leftarrow .
To go back to the normal TV picture
Press MENU.

3 Preset channels automatically

- 1 Select Preset with Δ or ∇ and press OK. The PRESET menu appears. (See Fig. 3.)
- 2 Select Auto Programme with Δ or ∇ and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)
- 3 Press OK repeatedly until the first element of the "PROG" number is highlighted.
- 4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with Δ or ∇ or the number buttons (e.g. For "04", select "0" here) and press OK. The second element of "PROG" will be highlighted.
- 5 Select the second element of the double-digit number with Δ or ∇ or the number buttons (e.g. For "04", select "4" here) (See Fig. 5.) and press OK.
- 6 The automatic channel presetting starts.

When presetting is finished, the preset menu reappears. All available channels are now stored on successive number buttons. (Press menu to restore normal TV picture).



Fig. 3.

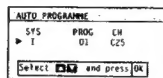


Fig. 4.



Fig. 5.

To tune in a channel by frequency:
After selecting F in step 6, enter three digits using the number buttons.
Press OK.

Please refer to "Television Channel Number Guide" on page 26.

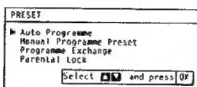


Fig. 6.

MANUAL PROGRAMME PRESET									
PROG	SYS	ON	SEARCH	LABEL	AFI				
1	1	C21	(off)	.....	(on)				
2	1	C34	(off)	.....	(on)				
3	1	C33	(off)	.....	(on)				
4	1	C45	(off)	.....	(on)				
5	1	C35	(off)	.....	(on)				
6	1	C44	(off)	.....	(on)				
7	1	C54	(off)	.....	(on)				
8	1	C30	(off)	.....	(on)				
9	1	C38	(off)	.....	(on)				
10	1	C39	(off)	.....	(on)				

Fig. 7.

If you have made a mistake:
Press \leftarrow to go back to the previous position.
To go back to main menu
Keep pressing \leftarrow .
To go back to the normal TV picture
Press MENU.

- 3 Using Δ or ∇ , select the programme position (number button) to which you want to preset a channel, and press OK.
- 4 Keep pressing ∇ to select programme numbers higher than 10.
- 5 Select, if necessary, a video input source (EXT) with Δ or ∇ . Then press OK. The first element of the "CH" position will be highlighted. (See Fig. 8.)
- 6 Using Δ or ∇ , select C (to preset a regular channel), or F (to tune in by frequency) and press OK. The first element of the "CH" number will be highlighted. If you have selected EXT in step 5, select the video input source with Δ or ∇ . (See Fig. 9.)

There are two ways to preset channels. If you know the channel number, go to step "7-Manual",

or

if you don't know the channel number, go to step "7-Search".

7 Manual

- a Select the first element of the "CH" number with Δ / ∇ or the number buttons and press OK. The second element of the "CH" number will be highlighted.
- b Select the second element of the number with Δ / ∇ or the number buttons. The selected number appears. (See Fig. 10.)
- c Press OK. The "SEARCH" position is highlighted and the selected channel is now stored. (See Fig. 11.)
- d Press OK until the cursor appears by the next programme position.
- e Repeat steps 3 to 7 to preset other channels.



Fig. 8.



Fig. 9.



Fig. 10.

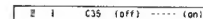


Fig. 11.



Fig. 12.

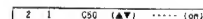
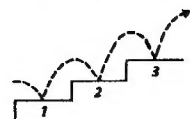


Fig. 13.

7 Search

- a Press OK repeatedly until the colour of the SEARCH position changes. The CH position changes colour. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- c Press OK if you want to store this channel. If not, press Δ or ∇ to continue channel searching.
- d Press OK until the cursor appears by the next programme position.
- e Repeat steps 3 to 7 to preset other channels.

Additional Presetting Functions

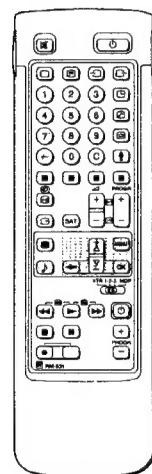


This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is visible
- Locate the Menu operation buttons.

PROGRAMME EXCHANGE



Exchanging Programme Positions

With this function, you can exchange the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select **Preset** with Δ or ∇ and press OK. The PRESET menu appears.
- 3 Select **Programme Exchange** with Δ or ∇ and press OK. The PROGRAMME EXCHANGE menu appears. (See Fig. 14.)
- 4 Using Δ or ∇ , select the programme position you want to exchange with another and press OK. The colour of the selected position changes. (See Fig. 15.)
- 5 Using Δ or ∇ , select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to exchange other programme positions.

PROGRAMME EXCHANGE					
PROG	CH	LABEL	PROG	CH	LABEL
0	AV1	VHS	8	C29	ITV
1	---	---	9	C35	C4
2	C56	BBC1	10	C02	---
3	C61	BBC2	11	C07	---
4	---	---	12	C02	---
5	VHDD	BPM	13	C07	---
6	C02	---	14	C02	---
7	C02	---	15	C02	---

Fig. 14.

3	C61	BBC2	11	---
---	-----	------	----	-----

Fig. 15.

PROGRAMME EXCHANGE					
PROG	CH	LABEL	PROG	CH	LABEL
0	AV1	VHS	8	C29	ITV
1	---	---	9	C35	C4
2	C61	BBC2	10	C02	---
3	C56	BBC1	11	C02	---
4	---	---	12	C02	---
5	VHDD	BPM	13	C02	---
6	C02	---	14	C02	---
7	C02	---	15	C02	---

Fig. 16.

Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

- 1 Press C on the Remote Commander. The indication "C" appears on the screen.
- 2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears.

However, the channel will not be stored.



For higher programme positions:
The display scrolls automatically.

If you have made a mistake:
Press \leftarrow to go back to the previous position.
To go back to main menu:
Keep pressing \leftarrow .
To go back to the normal TV picture:
Press MENU.

MANUAL PROGRAMME PRESET

Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- 2 Select **Preset** with Δ or ∇ and press OK. The PRESET menu appears.
- 3 Select **Manual Programme Preset** with Δ or ∇ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 17.)
- 4 Using Δ or ∇ , select the programme position which you want to skip and press OK. The "SYSTEM" position changes colour. (See Fig. 18.)
- 5 Press Δ or ∇ until --- appears in the SYSTEM position. (See Fig. 18.)
- 6 Press OK. (See Fig. 19.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.



MANUAL PROGRAMME PRESET					
PROG	SYS	CH	SEARCH	LABEL	AFT
1	---	C21	(off)	---	(on)
2	---	C24	(off)	---	(on)
3	---	C25	(off)	---	(on)
4	---	C27	(off)	---	(on)
5	---	C28	(off)	---	(on)
6	---	C29	(off)	---	(on)
7	---	C26	(off)	---	(on)
8	---	C25	(off)	---	(on)
9	---	C23	(off)	---	(on)
10	---	C29	(off)	---	(on)

Fig. 17.

3	---
---	-----

Fig. 18.

3	---
---	-----

Fig. 19.

MANUAL PROGRAMME PRESET

Captioning a Station Name

You can "name" a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identify which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- 2 Select **Preset** with Δ or ∇ and press OK. The PRESET menu appears.
- 3 Select **Manual Programme Preset** with Δ or ∇ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 20.)
- 4 Using Δ or ∇ , select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with Δ or ∇ and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. (See Fig. 21.)
- 6 After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 22.)
- 7 Repeat steps 5 and 6 to caption names for other channels.

MANUAL PROGRAMME PRESET					
PROG	SYS	CH	SEARCH	LABEL	AFT
1	---	C21	(off)	---	(on)
2	---	C24	(off)	---	(on)
3	---	C25	(off)	---	(on)
4	---	C27	(off)	---	(on)
5	---	C28	(off)	---	(on)
6	---	C29	(off)	---	(on)
7	---	C26	(off)	---	(on)
8	---	C25	(off)	---	(on)
9	---	C23	(off)	---	(on)
10	---	C29	(off)	---	(on)

Fig. 20.

2	1	C25	(off)	---	(on)
---	---	-----	-------	-----	------

Fig. 21.

2	1	C25	(off)	SONY	(on)
---	---	-----	-------	------	------

Fig. 22.

If you have made a mistake:
Press \leftarrow to go back to the previous position.
To go back to main menu:
Keep pressing \leftarrow .

To go back to the normal TV picture:
Press MENU.

Operating Instructions

MANUAL PROGRAMME PRESET

Manual Fine-Tuning

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine-tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- 2 Select Preset with Δ + or ∇ - and press OK. The PRESET menu appears.
- 3 Select Manual Programme Preset with Δ + or ∇ - and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 23.)
- 4 Using Δ + or ∇ -, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.
- 5 Fine-tune the channel with Δ + or ∇ - so that you get the best TV reception. As you press the cursor buttons, the frequency changes from -15 to +15. (See Fig. 24.)
- 6 After fine tuning, press OK. The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored.
- 7 Repeat steps 4 to 6 to fine-tune other channels.

To reactivate AFT (automatic fine tuning): Repeat from the beginning and select "ON" in step 5.

PROG	SYS	CH	SEARCH	LABE	AFT
1	1	C21	(off)	----	(on)
2	1	C24	(off)	----	(on)
3	1	C25	(off)	----	(on)
4	1	C27	(off)	----	(on)
5	1	C28	(off)	----	(on)
6	1	C22	(off)	----	(on)
7	1	C26	(off)	----	(on)
8	1	C25	(off)	----	(on)
9	1	C23	(off)	----	(on)
10	1	C29	(off)	----	(on)

Fig. 23.

2	1	C25	(off)	----	(-3)
---	---	-----	-------	------	------

Fig. 24.

2	1	C40	(off)	----	(-3)
3	1	C45	(off)	----	(on)

Fig. 25.

PROG	CH	LABE	PROG	CH	LABE
0	AV1	VHS	8	C30	----
1	C28	BBC1	9	C30	----
2	C42	BBC1	10	C40	----
3	C26	C4	11	C41	----
4	C24	ITV	12	C42	----
5	C35	----	13	C43	----
6	C36	----	14	C44	----
7	C37	----	15	C45	----

Fig. 26.

PROG	CH	LABE	PROG	CH	LABE
0	AV1	VHS	8	C30	----
1	C28	BBC1	9	C30	----
2	C42	BBC1	10	C40	----

Fig. 27.

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

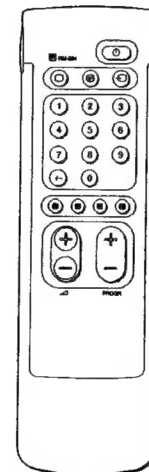
- 1 Press MENU to display the main menu.
- 2 Select Preset with Δ + or ∇ - and press OK. The PRESET menu appears.
- 3 Select Parental Lock with Δ + or ∇ - and press OK. The PARENTAL LOCK menu appears. (See Fig. 26.)
- 4 Using Δ + or ∇ -, select the programme position you want to block and press OK. The CH and LABEL, of the selected programme number, change colour indicating that this programme is now blocked. (See Fig. 27.)
- 5 Repeat step 4 to block other programme positions.

Cancelling blocking

- 1 On the PARENTAL LOCK menu, select the programme position you want to unblock with Δ + or ∇ -. Press OK. The CH and LABEL change to normal colour indicating that the blocking has been cancelled.

If you try to select a programme that has been blocked: The message "LOCKED" appears on the blank TV screen.

Watching the TV



If no picture appears when you depress \odot on the TV

and if the standby indicator on the TV is lit, the TV is in standby mode. Press \odot or one of the number buttons to switch it on.

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress \odot on the TV.

Switching off temporarily

Press \odot on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up.

To switch on again

Press \odot , PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely

Depress \odot on the TV.

Selecting TV Programmes

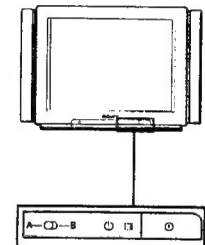
Press PROGR +/- or press number buttons.

To select a double-digit number

Press +/-, then the numbers. For example, if you want to choose 23, press +/-, 2, and 3.

Adjusting the Volume

Press Δ +/-.



Adjusting and Setting the TV Using the Menu

Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press button repeatedly until the programme number, Δ (for volume), or (for video input picture) appears. Then adjust with the \pm buttons.
- Press \pm buttons to switch on the TV from the standby mode.
- Press \pm simultaneously to reset picture and sound controls to the factory preset level (RESET symbol *** is displayed).

Watching Teletext or Video Input

Watching teletext

- Press to view the teletext.
- Press three number buttons to select a page.
- Press one of the coloured buttons for fastest operation.
- Press (PAGE +) or (PAGE -) for the next or preceding page.
- To go back to the normal TV picture, press .

Watching a video input picture

Press repeatedly until the desired video input appears. To go back to the normal TV picture, press .

More Convenient Functions

Use the Full-Function side of the Remote Commander.

Displaying the on screen indications

- Press once to display all the indications. They will disappear after some seconds.
- Press twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

Muting the sound.

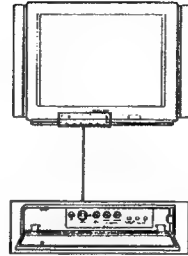
Press .

To resume normal sound, press again.

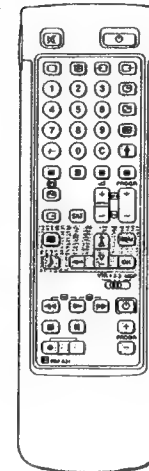
Displaying the time

Press . This function is available only when teletext is broadcast.

To make the time display disappear, press again.



PICTURE CONTROL SOUND CONTROL



Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect, or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones ().

- Press (for picture) or (for sound) on the Remote Commander.

or

Press MENU and select Picture Control or Sound Control, then press OK.

The PICTURE CONTROL or SOUND CONTROL menu appears. (See Fig. 28 or Fig. 29)

- Using Δ or ∇ , select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30)
- Adjust the setting with Δ or ∇ and press OK. The cursor appears beside the next item (at the left margin). (See Fig. 31)
- For the effect of each control, see the table below.
- Repeat steps 2 and 3 to adjust other items.



Fig. 28.

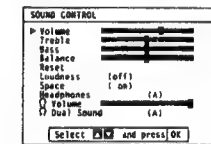


Fig. 29.



Fig. 30.

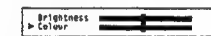


Fig. 31.

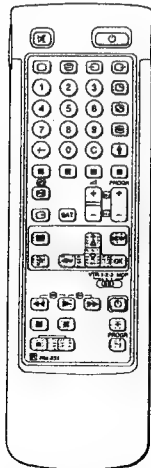
Effect of each control

PICTURE CONTROL	Effect
Contrast	Less \leftarrow — \rightarrow More
Brightness	Darker \leftarrow — \rightarrow Brighter
Colour	Less \leftarrow — \rightarrow More
Hue	Greenish \leftarrow — \rightarrow Reddish
Sharpness	Softer \leftarrow — \rightarrow Sharper
Reset	Resets picture to the factory preset levels.
Format	4 : 3 : Normal 16 : 9 : Wide screen effect
Resolution	Normal high : Obtain a higher quality picture

SOUND CONTROL	Effect
Volume	Less \leftarrow — \rightarrow More
Treble	Less \leftarrow — \rightarrow More
Bass	Less \leftarrow — \rightarrow More
Balance	More left \leftarrow — \rightarrow More right
Reset	Resets sound to the factory preset levels.
Loudness	off : Normal on : When listening to low volume sound.
Space	off : Normal on : Obtain acoustic sound effect.
Dual Sound	A : left channel B : right channel stereo mono The selected mode of the A-CD-B indicator on the TV lights up. (for NICAM broadcasts see next page)
Headphones:	
Volume	Less \leftarrow — \rightarrow More
Dual Sound	A : left channel B : right channel STEREO MONO

For details of the teletext operation, refer to page 19.

For details of the video input picture, refer to page 23.



If you have made a mistake:
Press \leftarrow to go back to the previous position.
To go back to the main menu:
Keep pressing \leftarrow .
To go back to the normal TV picture:
Press MENU.

Note:
HUE is only available for NTSC colour system and RESOLUTION does not work for SECAM colour system.





Note on LINE OUT:
The audio level and the dual sound mode output from the G-jack on the rear correspond to the HEADPHONES VOLUME and DUAL SOUND settings.

When watching a video input source with stereo sound:
You can select DUAL SOUND to change the sound.

Selecting Nicam Broadcasts*

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, "NICAM" appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the A-CD-B indicators, on the TV will switch off.

Nicam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 16.

Service Being Broadcast	Action	Effect	Indication on the TV A-CD-B
Stereo	Press Δ + or ∇ -	Stereo Nicam (Mono 2-Channel) mono	 
Press Δ + or ∇ - again to return to stereo Nicam (mono 2-channel)			
Bilingual	press Δ + or ∇ -	Channel A Nicam Channel B Nicam mono	 

Press Δ + or ∇ - again to return to channel A Nicam

* Depending on availability of service.

PROGRAMME TABLE

To go back to the normal TV picture:
Press MENU.

Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this table.

- From the main menu, select Programme Table with Δ + or ∇ - and press OK.
The PROGRAMME TABLE menu appears. (See Fig. 32)
To scroll to higher programme numbers, press ∇ -.
- To select a programme using this menu select the programme number with Δ + or ∇ - and press OK.
The selected programme appears.

PROGRAMME TABLE			
PROG. CH	LABEL	PROG. CH	LABEL
1 C21	11 C40	---	---
2 C24	12 C40	---	---
3 C26	13 C41	---	---
4 C27	14 C43	---	---
5 C23	15 C64	---	---
6 C22	16 C55	---	---
7 C32	17 C56	---	---
8 C36	18 C57	---	---
9 C38	19 C48	---	---
10 C39	20 C46	---	---

Fig. 32.

TIMER

To switch off the timer:
Select "OFF" in step 3.

To check the remaining time:
Press \odot .

Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

- From the main menu, select Timer with Δ + or ∇ - and press OK.
The TIMER menu appears. (See Fig. 33.)
- Press OK.
The time period option changes colour.
- Select the time period with Δ + or ∇ -.
The time period (in minutes) changes as follows:
10 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 50 \rightarrow 60 \rightarrow 70 \rightarrow 80 \rightarrow 90
OFF
- After selecting the time period, press OK.
The cursor moves back to the left margin and the timer starts counting.
One minute before the TV switches into standby mode, a message is displayed on the screen.

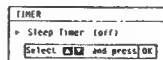
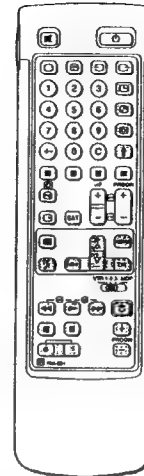


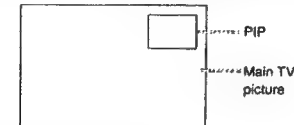
Fig. 33.

PIP (Picture In Picture)



Note
RGB input source
cannot be displayed in
PIP.

With this function you can display a "PIP screen" (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 22.



Switching PIP on and off

Press \odot .

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off

Press \odot again.

Selecting a PIP source

Press f .

The symbol f will be displayed at the bottom, left-hand corner of the screen.

Press \odot repeatedly until the desired PIP source is indicated (e.g. TV, AV1, AV2, YC2, AV3, YC3, AV4, YC4).

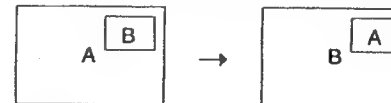
Note

If no video source has been connected, the PIP picture will be noisy or dark.

Swapping screens

Press \odot .

The main screen will switch the picture with the PIP screen.

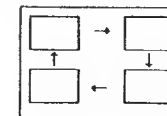


Note

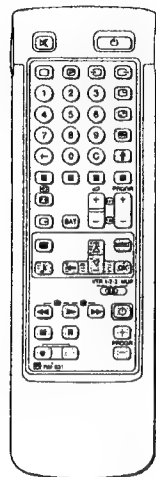
If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press f and then the programme buttons or PROGR +/-.

Changing the position of the PIP

Press \odot repeatedly to change the position of the PIP screen within the main screen. There are four different positions available.



Teletext



Note:
Teletext errors may occur if the broadcasting signals are weak.

With the simple side of the Remote Commander:
You can switch teletext on and off, operate Fasttext, and directly select page numbers.

Note:
Fasttext operation is only possible, if the TV station broadcasts Fasttext signals.

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

- 1 Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press **[MENU]** to switch on teletext.
A teletext page will be displayed (usually the index page). If there is no teletext broadcast, "No text available" is displayed on the information line at the top of the screen.

To switch teletext off
Press **[OFF]**.

Selecting a teletext page

With direct page selection

Use the number buttons to input the three digits of the chosen page number.
If you have made a mistake, type in any three digits. Then re-enter the correct page number.

With page-catching

- 1 Select a teletext page with a page overview (e.g. index page).
- 2 Press **[OK]**. Using **[Δ+]** or **[▽-]**, select the desired page. "Page Catching" will be displayed on the information line. Press **[OK]**. The requested page will appear in a few seconds.

Press **[MENU]** to resume normal teletext reception.

Accessing next or preceding page

Press **[PAGE+]** or **[PAGE-]**.
The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press **[MENU]** once in teletext mode or twice in TV mode.
- Press **[MENU]** again to resume normal teletext reception.

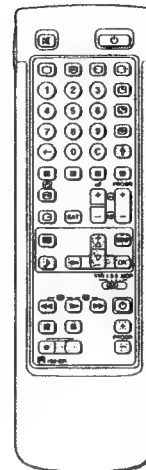
Preventing a teletext page from being updated

- Press **[HOLD]**. The HOLD symbol "H" is displayed on the information line.
- Press **[MENU]** to resume normal teletext reception.

Using Fasttext

With Fasttext you can access pages with one key stroke. When a Fasttext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander.

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.



Note:
Some of the features may not be available depending on the Teletext service.

Note on Subtitles:
If the subtitles are not broadcast on page 888, please select the subtitle page using the number buttons.

To cancel the request:
Select "Subpage" and press **[OK]**.

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- 1 Press **[MENU]**. The menu will be superimposed on the teletext display. (See Fig. 34)
- 2 Using **[Δ+]** or **[▽-]**, select the teletext function you want and press **[OK]**. (See Fig. 35)



Fig. 34.

USER PAGES/PRESET USER PAGES

See page 19 for information about presetting and operating the user pages.

INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display with the ability to scroll up and down the screen. After having selected the function, an information line Top/Bottom/Full will be displayed. (See Fig. 36)

Press **[Δ+]** for Top to enlarge the upper half. For Bottom keep pressing **[▽-]**, to enlarge the lower half. Press **[OK]** for Full to resume the normal size.

Press **[MENU]** to resume normal teletext reception.



Fig. 35.

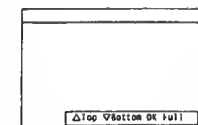


Fig. 36.

Press **[MENU]** to resume normal teletext reception.

After having selected the function, you can watch a TV programme while waiting for a requested teletext page to be captured (The symbol changes colour) (see Fig. 37).

Press **[MENU]** to view the requested page.

SUBTITLES

Your teletext service will inform you if a TV programme is subtitled. After having selected the function the subtitles will be displayed.

REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information line "REVEAL ON/OFF" will be displayed. (See Fig. 38)

Using **[Δ+]** or **[▽-]**, select ON to reveal the information or OFF to conceal it again.

Press **[MENU]** to resume normal teletext reception.

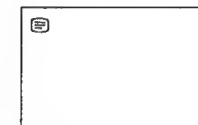


Fig. 37.

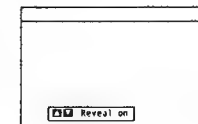


Fig. 38.

TIME PAGE

This function is not available.

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed.

To select the desired subpage, enter four digits using **[PROG+/-]** or the number buttons. (e.g. enter 0002 for the second page of a sequence).

If two broadcasting stations use the same Teletext: You can preset one bank to 2 different programme positions.

User Page Bank System

You can store up to 30 pages in the "Teletext page bank system". In this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 "banks" (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (P1 to P6).

- 1 Press (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with Δ + or ∇ - and press OK.
- 3 Select the desired bank with Δ + or ∇ - and press OK. The cursor will go to the first position (P1) of the preferred pages.
- 4 Input the three digits of your first preferred page with the number buttons and press OK. The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number. After having finished the presetting press OK repeatedly until the cursor appears besides the next bank at the left margin.
- 6 Select Allocate Bank with Δ + or ∇ - and press OK.
- 7 Select the programme position for which you have preset pages with Δ + or ∇ - and press OK. (See Fig. 39)
- 8 Select the desired bank with Δ + or ∇ - (Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages

- 1 Select MENU.
- 2 Select User Pages with Δ + or ∇ - and press OK. A table of the stored preferred pages will be displayed. (See Fig. 40)
- 3 Select the desired page with Δ + or ∇ - and press OK. The page will be displayed after some seconds.

BANK	P1	P2	P3	P4	P5	P6
A	300	255	426	234	200	179
B	200	170	301	303	550	345
C	100	220	300	444		
D	120	321	252			
E	400	210	240	118	127	

PROG	LABEL	BANK	PRG LABEL	BANK
00	VHS	-	04	RTV D
01	886L1	A	02	SET B
02	886C2	C	06	ITV C

Select [OK] and press [OK]

Fig. 39.

USER PAGES - BANK B
PAGE 300
PAGE 200
PAGE 701
PAGE 500
PAGE 234
PAGE 159

Select [OK] and press [OK]

Fig. 40.

Connecting and Operating Optional Equipment

Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press repeatedly to select the input source.

The symbol of the selected input source will appear.

To go back to the normal TV picture

Press .

Input modes

Symbol	Input signal
	Audio/video input through the 1 connector
	RGB input through the 1 connector
	Audio/video input through the 2/- 2 connector
	S video input through the 2/- 2 or 2 connector
	Audio/video input through 3 and 3 on the front
	S video input through the 3 connectors on the front (4-pin connector)
	Audio/video input through the 4/- 4 connector
	S video input through the 4/- 4 or 4 connector (4-pin connector)

You can also select the input mode using the and Δ + buttons on the TV. In this case, first select , and then press Δ + buttons to select the input.

Selecting the output

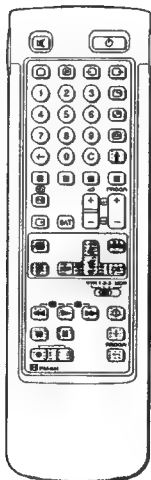
The 2/- 2 connector outputs the source input from the other connectors.

Press repeatedly to select the output.

The symbol of the selected output source appears.

Output modes

Symbol	2/- 2 connector outputs
1	The audio/video signal from the 1 connector
2	The audio/video signal from the 2/- 2 connector
2	The audio/S video signal from the 2/- 2 connector
3	The audio/video signal from the 3, 3 connectors
3	The audio/S video signal from the 3, 3 connectors
4	The audio/video signal from the 4/- 4 connector
4	The audio/S video signal from the 4/- 4 connector
TV	The audio/video signal from the aerial terminal



When recording
When you use the ● (record) button, make sure to press this button and the one to the right of it simultaneously.

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select Video Connection with Δ + or ∇ - and press OK. The VIDEO CONNECTION menu appears. (See Fig. 41)

You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.

- 2 Select TV Screen (input source for the TV screen), PIP (input source for the PIP screen), or output (output source) with Δ + or ∇ - and press OK. One of the source items changes colour. (See Fig. 42)
- 3 Select the desired source with Δ + or ∇ -. (See Fig. 43)
For details about each source, see the table on page 23.
- 4 Press OK.
The selected source is confirmed, and the cursor appears. (See Fig. 44)
- 5 Repeat steps 2 to 4 to select the source for other inputs or outputs.

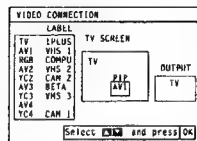


Fig. 41.



Fig. 42.



Fig. 43.

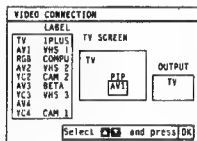


Fig. 44.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most Sony remote-controlled video equipment such as: Beta, 8mm or VHS VTRs or video disc players.

Tuning the Remote Commander to the equipment

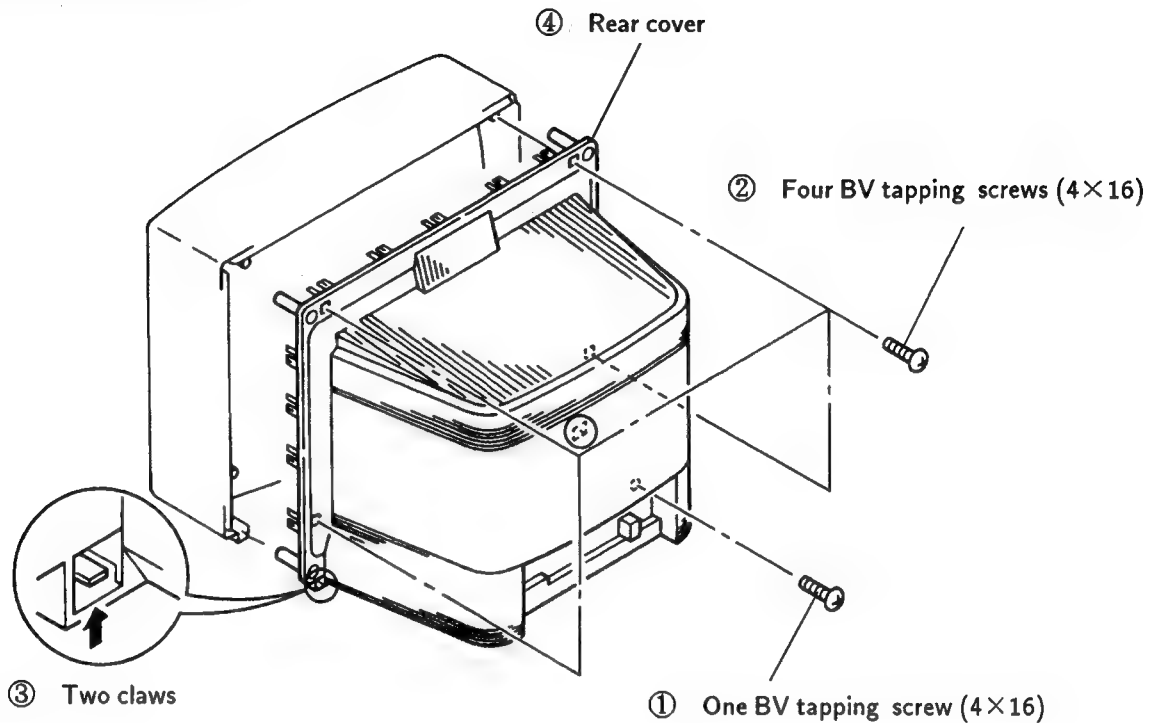
- 1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:
VTR 1: Beta or ED Beta VTR
VTR 2: 8mm VTR
VTR 3: VHS VTR
MDP: Video disc player
- 2 Use the buttons indicated in the illustration to operate the additional equipment.

If your video equipment is furnished with a COMMAND MODE selector: set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

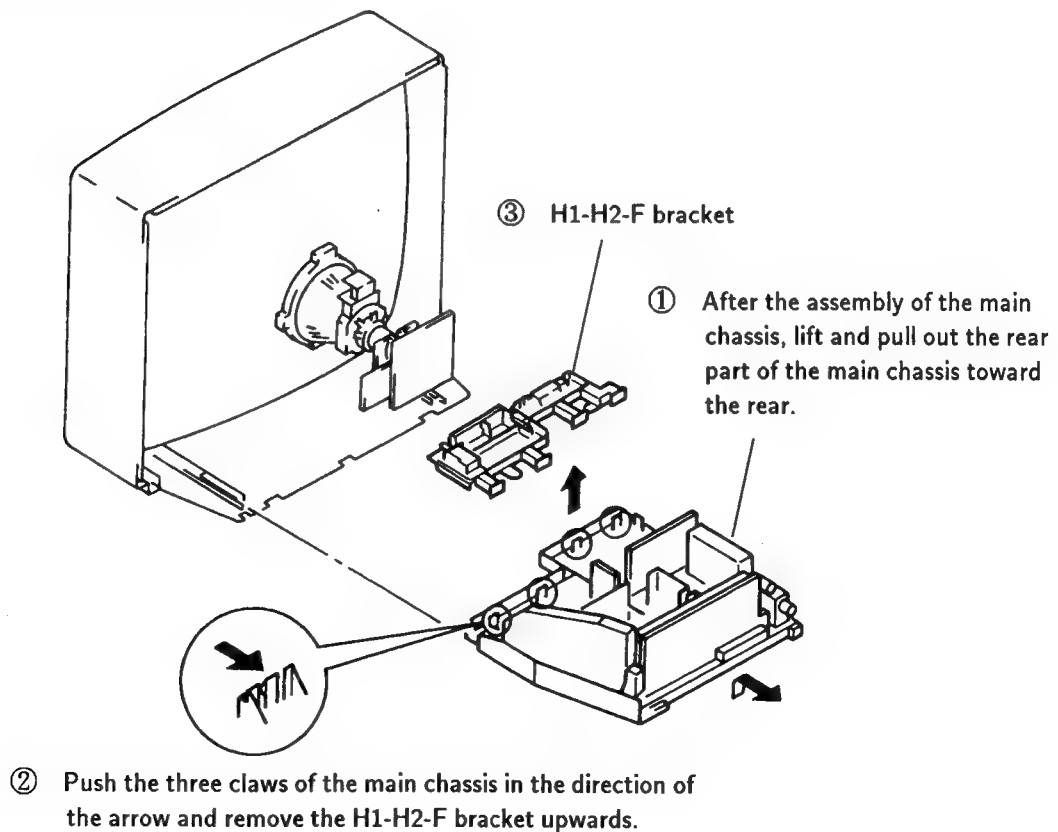
If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

SECTION 2 DISASSEMBLY

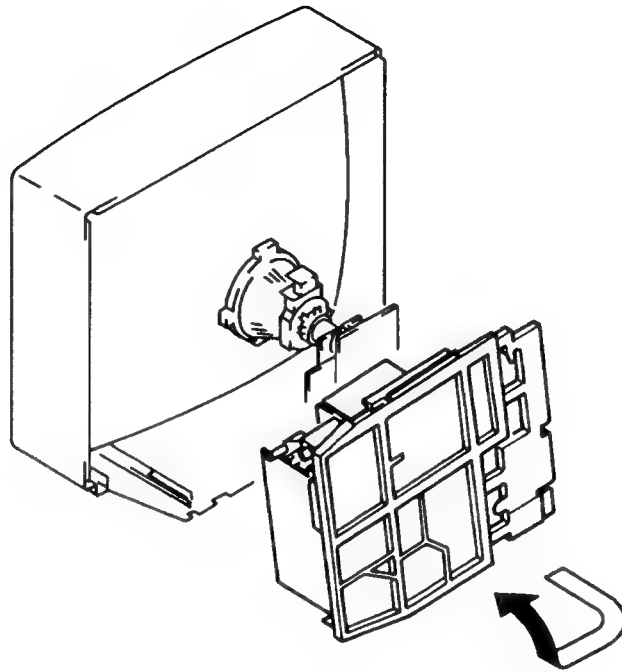
2-1. REAR COVER REMOVAL



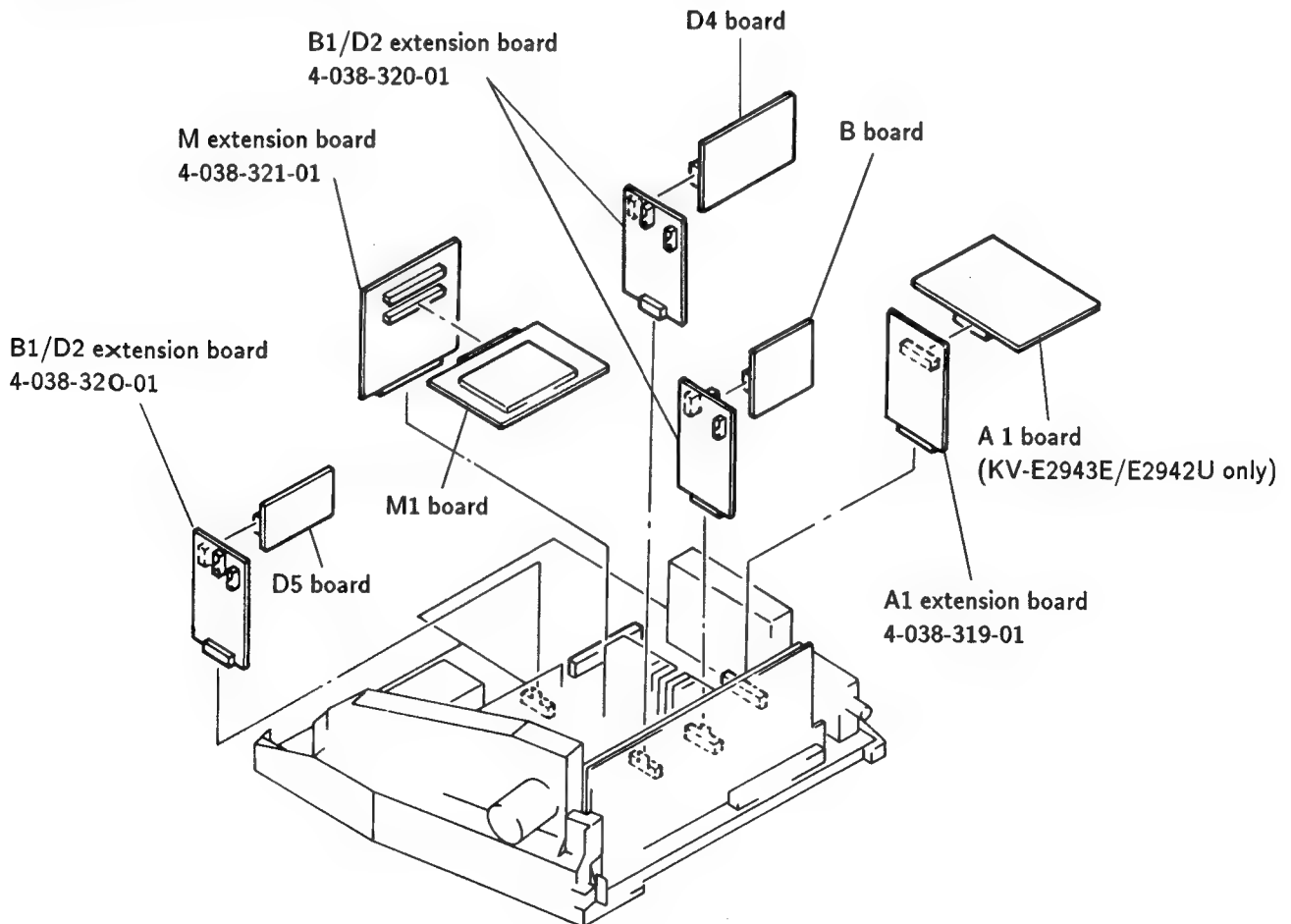
2-2. CHASSIS ASSY REMOVAL



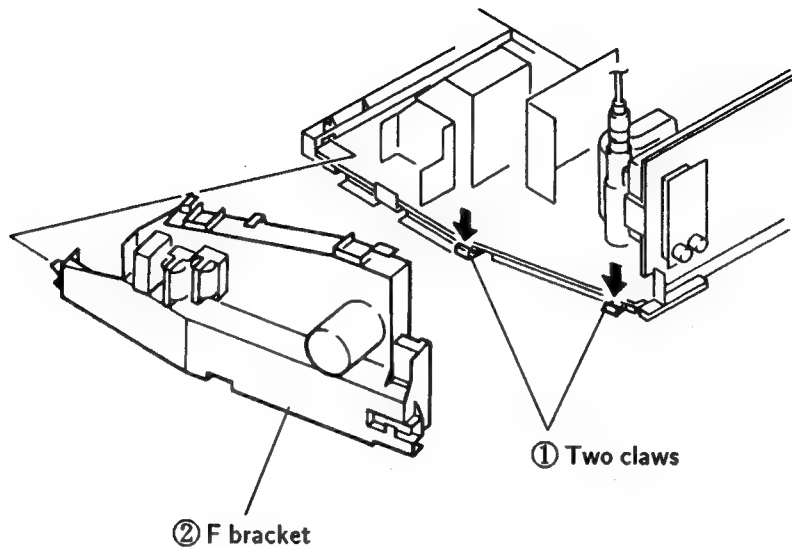
2-3. SERVICE POSITION



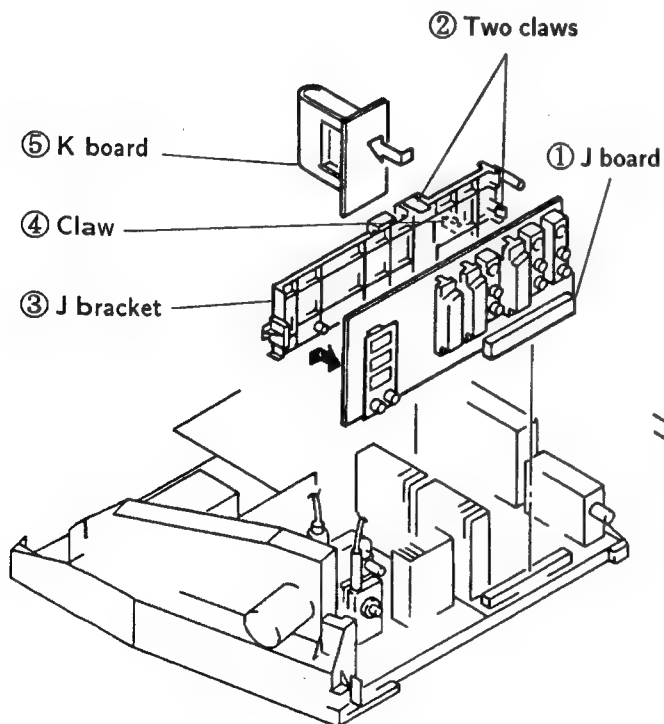
2-4. EXTENSION BOARD



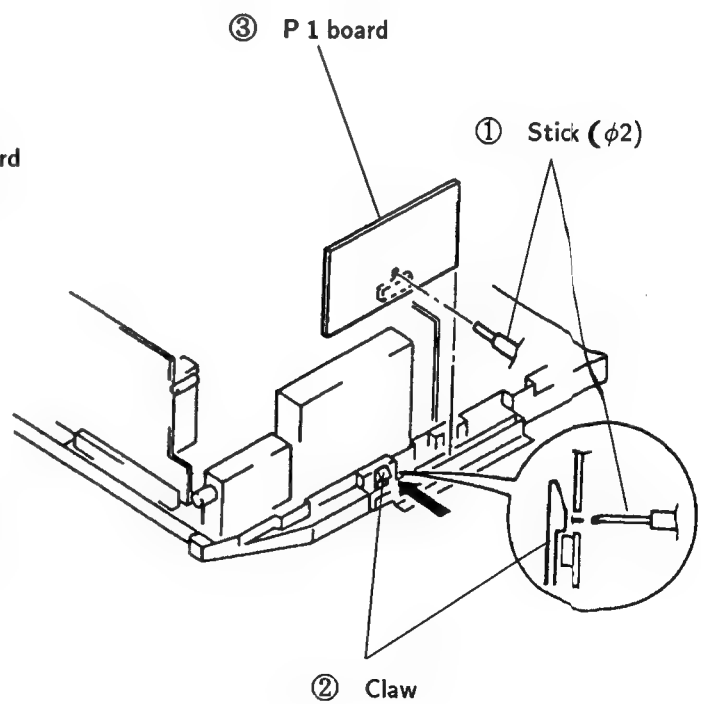
2-5. F BRACKET REMOVAL



2-6. J AND K BOARDS REMOVAL

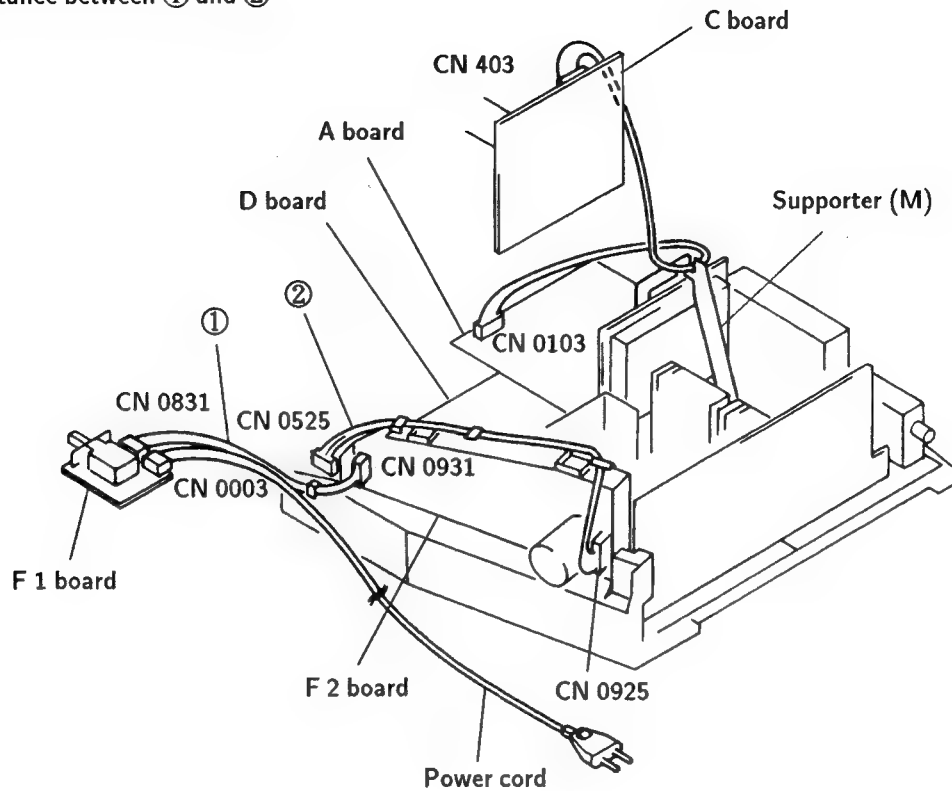


2-7. P 1 BOARD REMOVAL

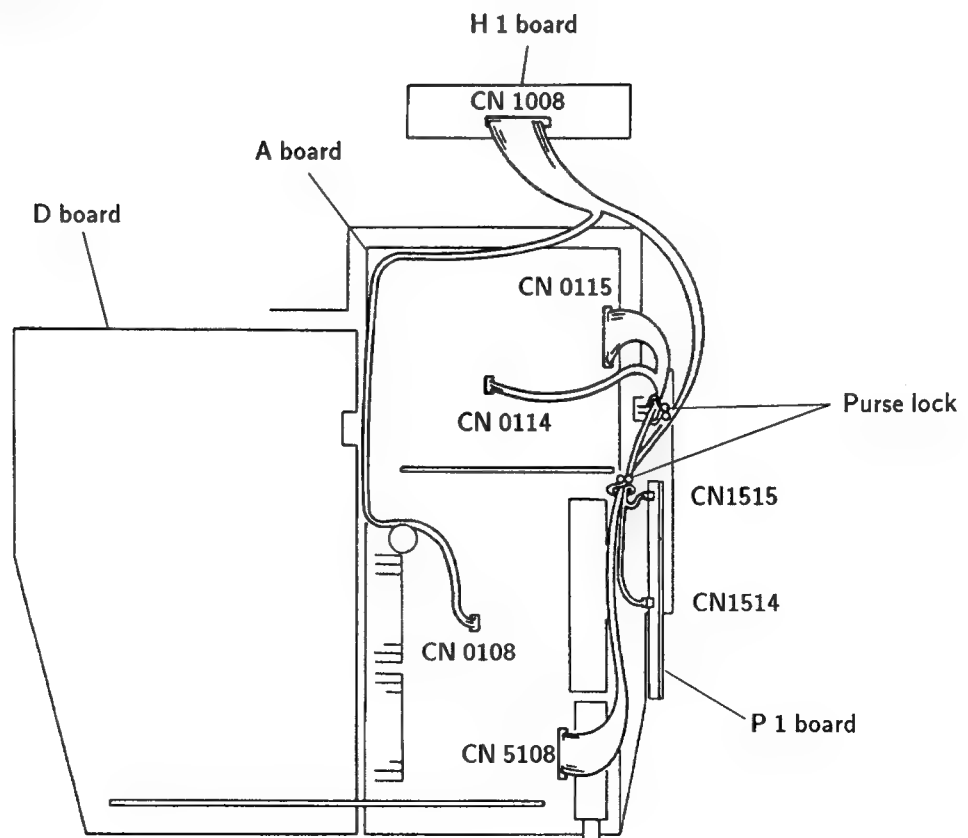


2-8-1. WIRE DRESSING

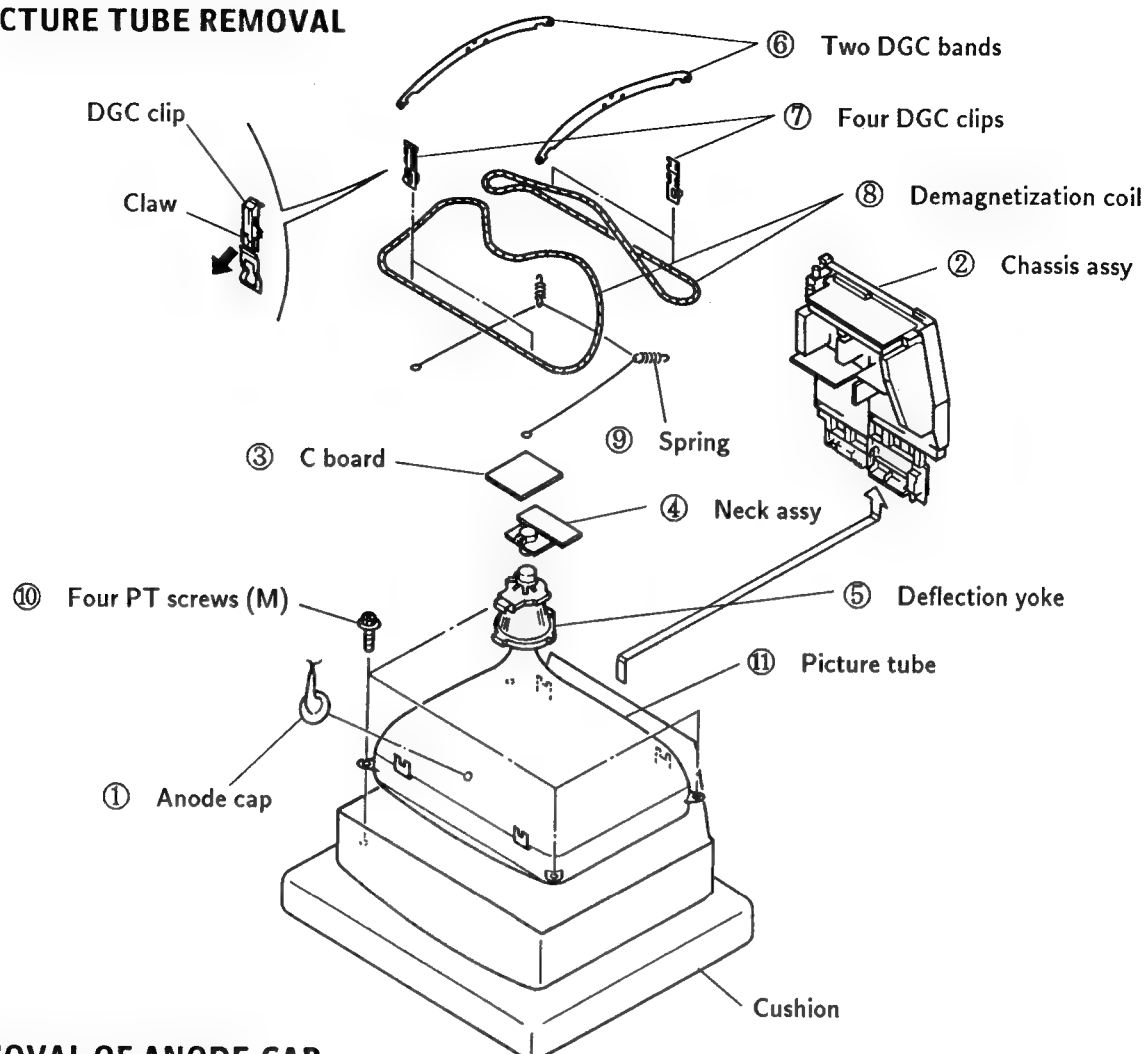
※ Keep distance between ① and ②



2-8-2. WIRE DRESSING



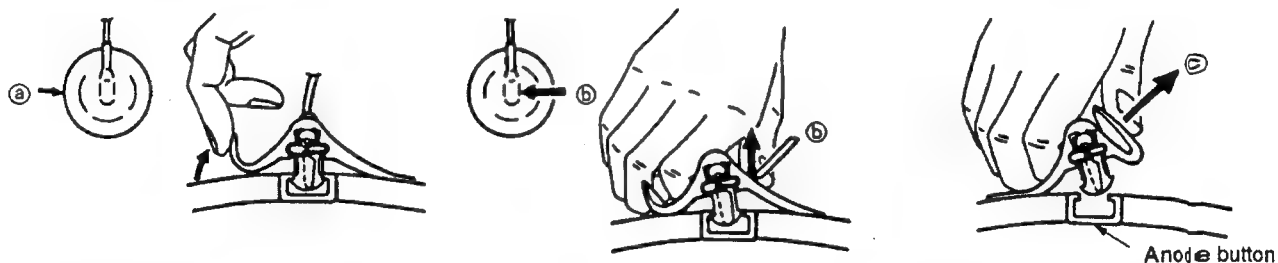
2-9. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

• REMOVING PROCEDURES



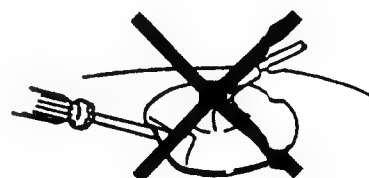
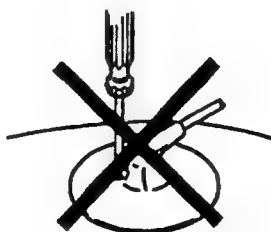
① Turn up one side of the rubber cap in the direction indicated by the arrow ①.

② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way :

① Contrast 80% (or remote control normal)
 ⚙ Brightness 50%

- Carry out the following adjustments in this order :

1. Beam landing
2. Convergence
3. Focus
4. White balance

Note: Testing equipment required.

1. Color bar/pattern generator
2. Degausser
3. DC power supply
4. Digital multimeter
5. Oscilloscope

Preparations :

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.

Contrast } normal
 Brightness }
2. Position neck assy as shown in Fig.3-2.
3. Set the pattern generator raster signal to red.
4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig.3-1 - 3-3)
5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

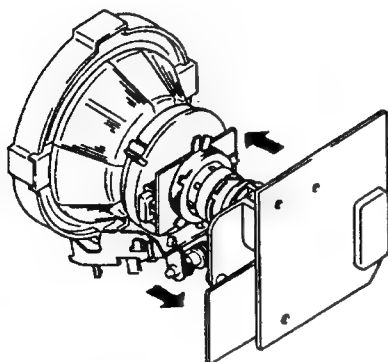


Fig.3-1

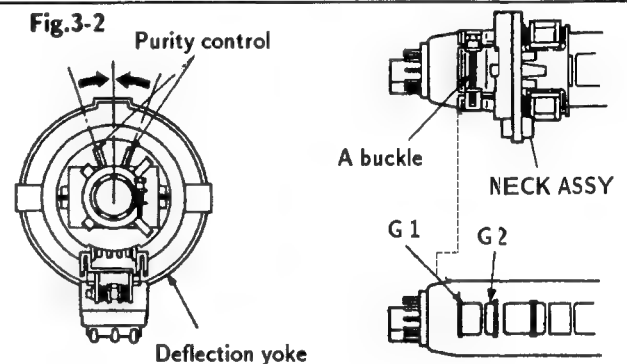


Fig.3-3

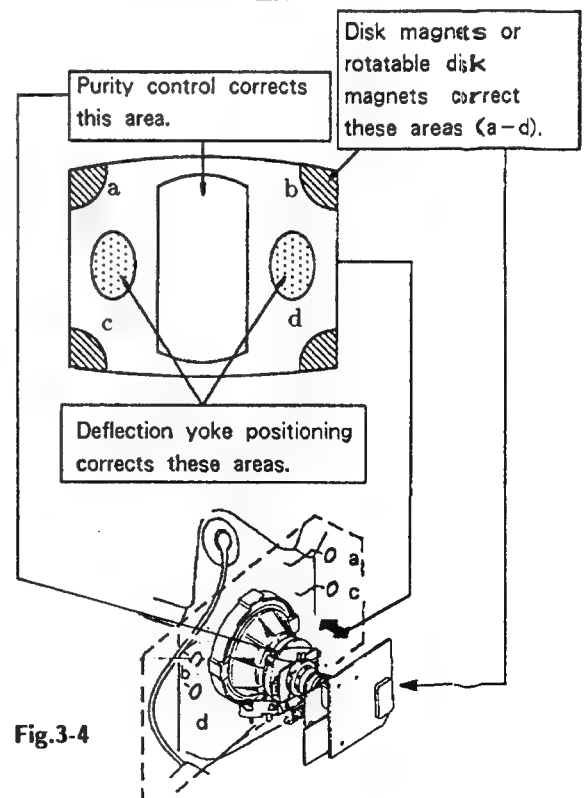
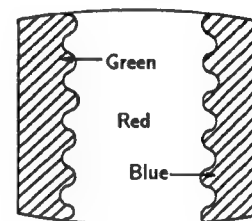


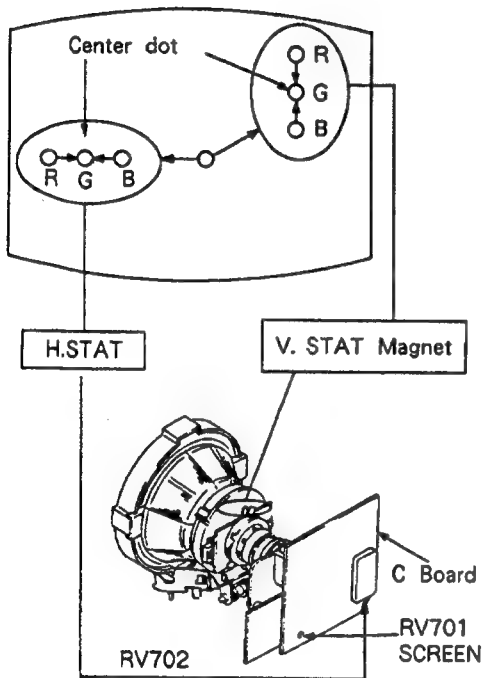
Fig.3-4

3-2. CONVERGENCE

Preparations :

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

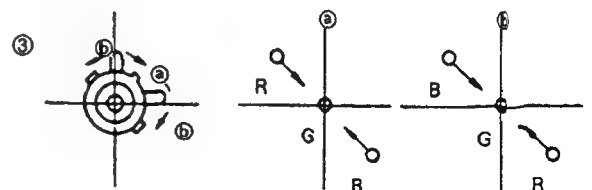
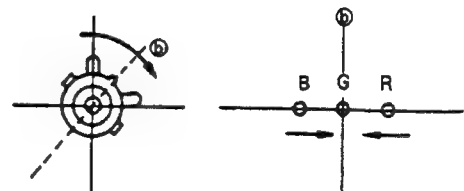
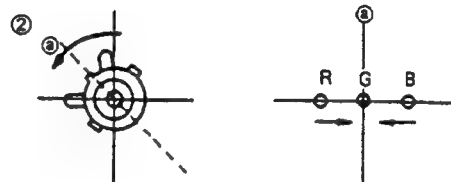
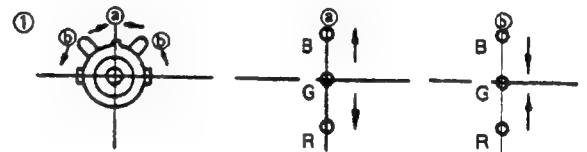


1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
(In this case, the H.STAT variable resistor and the V. STAT magnet influence each other)

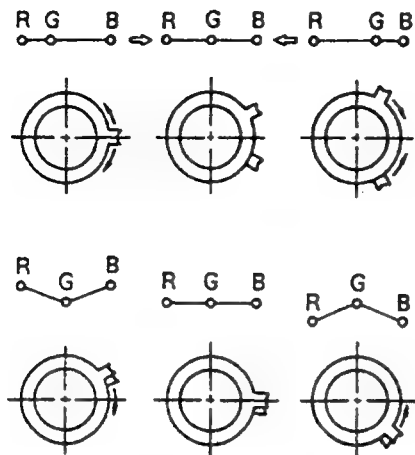
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



4. If the V.STAT magnet is moved in the direction of the ① and ② arrows, the red, green, and blue points move as shown below.

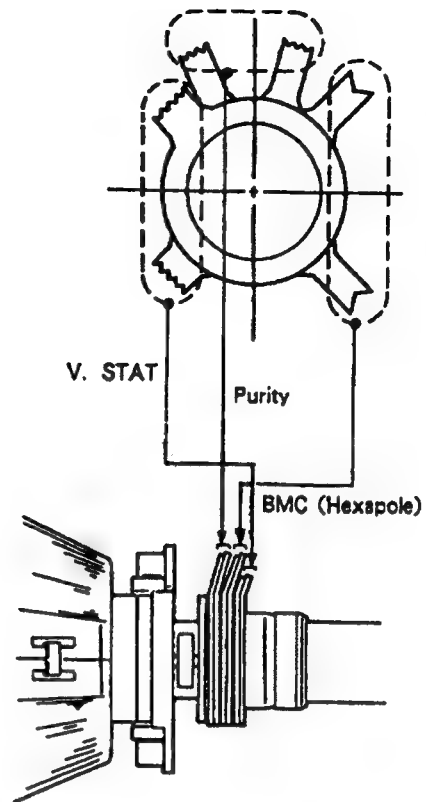


● Operation of BMC (Hexapole) Magnet



- The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

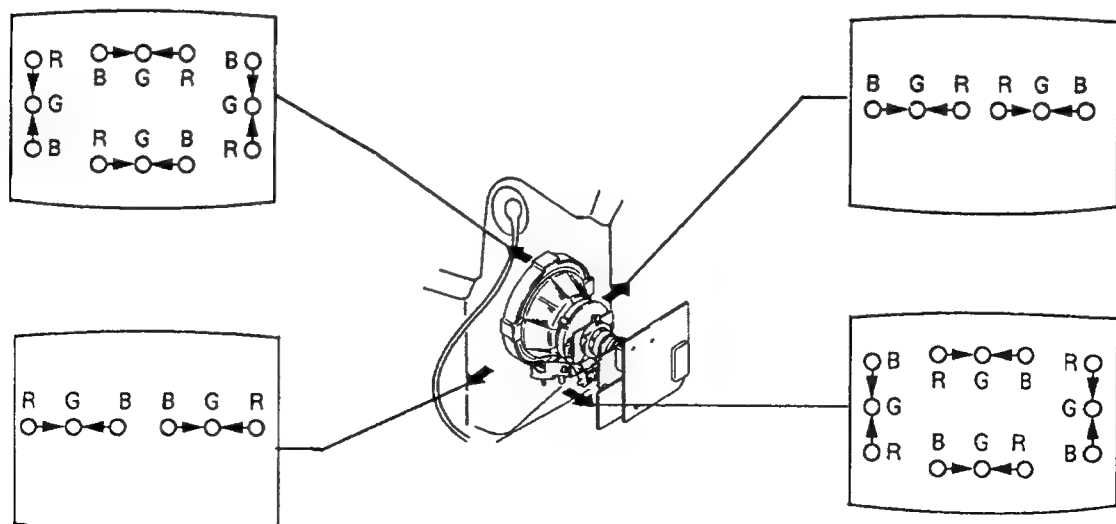


(2) Dynamic convergence adjustment

Preparations :

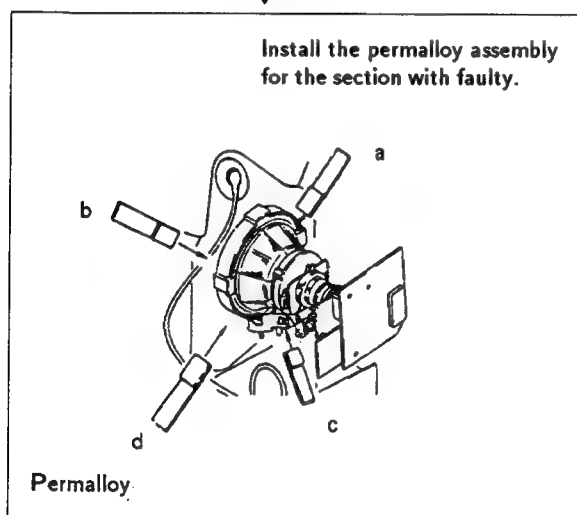
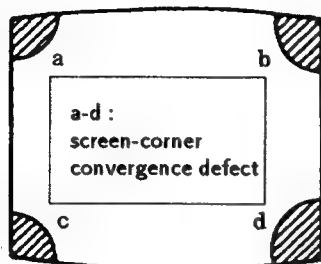
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
1. Slightly loosen the deflection yoke screws.

2. Remove the deflection yoke spacer.
3. Move the deflection yoke as shown in the figure below and optimize the convergence.
4. Tighten the deflection yoke screws.
5. Install the deflection yoke spacer.



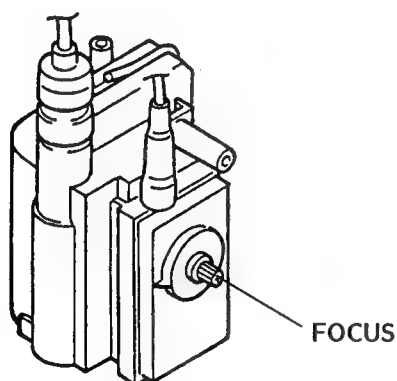
(3) Screen corner convergence

If you cannot adjust corner convergence properly, correct them with permalloy.



3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

1. Input the dot signal from the pattern generator.
2. Set the picture brightness control to its lowest level.
3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
4. While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

1. Receive all-white signal.
2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" to how to enter service mode.)
3. Select CXA1587S on menu.

09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

4. Set picture to MAX.
5. Adjust G-DRIVE B-DRIVE with , buttons so that the white balance becomes optimum.
6. Press button to write the data for each item.
7. Set picture to MIN.
8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R-MANUAL CUT OFF, G-MANUAL CUT OFF and B-MANUAL CUT OFF with , buttons so that the white balance becomes optimum.
9. Press button to write the data for each item.

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander RM-831.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

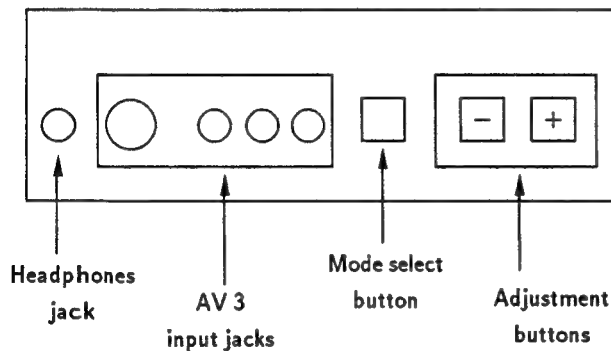


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode

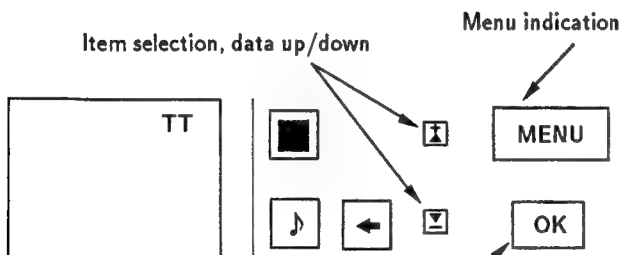


Fig.4-2

Fig.4-3

3. Press the **MENU** button of the commander to get the menu on screen.

MAIN MENU	
Programme Table	
Video Connection	
Picture Control	
Sound Control	
Timer	
Preset	
Language	
> DEMO	
Select < > and press OK	

Fig.4-4

4. Press the **▲** and **▼** buttons of the commander and move > to DEMO.
5. Press **OK** button to proceed to the next menu.
6. The menu of fig.4-5 will appear on screen. Select **DEVICE** corresponding to the adjustment item from the table on next page.

DEVICE	
Initialize	
> CXA1587S	
CXD 2018	
TDA 9145	
TDA 1526	
TDA 6612	
CXA 7948 A	
P/P service	
Select < > and press OK	

Fig.4-5

7. If adjustment item is CXA1587S, press the **▼** button and move > to CXA1587S.

CXA 1587 S

Item No.	Adjustment item	Data Amount
01	PICTURE	3
02	COLOR	1
03	BRIGHT	1
04	HUE	1
05	SHARPNESS	7
06	RGB PICTURE	3
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
> 09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.

8. Press **OK** button to get the next selection menu.
9. Press **▼** button and move > to the adjustment item and press **OK** button.
10. Press the **▲** and **▼** buttons to change the data in order to comply each standard.
11. Press **OK** button to write data.
12. Turn off the power to quit service mode when completing the adjustment.

CXA 1587 S

01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	31
31	DAC TEST	ON
32	PRE/OVER SHOOT	12
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB OFF	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	V EXTENTION	OFF
47	AFC 1	1
48	AFC 2	0
49	AFC OFF	ON
50	REF.POSITION	0

CXD 2018 Q

01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.

Typical Value (OSD based)when receiving PAL Philips pattern.

TDA 6612	ADJ.
Stereo-Separation	(30)

Should be adjusted twice 4 : 3 and 16 : 9 mode.

Y FILTER ADJUSTMENT

1. Input PAL RED pattern.
2. Connect an oscilloscope to CN 0403 ① pin (R IN) on the C board.
3. Enter into service mode and press 3, 8.
4. Adjust data by \triangle or ∇ to minimize the chroma element of CN 0403 ① pin.

SUB BRIGHTNESS ADJUSTMENT

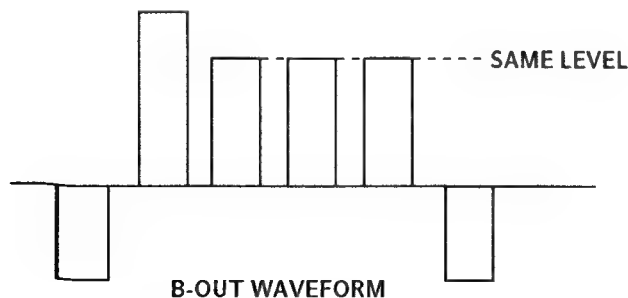
1. Input Phillips pattern.
2. Enter into service mode and press 23.
3. Adjust data so that 0-IRE of the grey scale and CUT -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

1. Input a video that contains small 100% area on the Black Back ground.
2. Enter into service mode and press 01 to have PIC max followed by 21.
3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R IN).

SUB COLOR ADJUSTMENT

1. Input PAL color bar.
2. Connect an oscilloscope to CN 0403 ③ pin (B IN) on the C board.
3. Enter into service mode and press 22 of CXA 1587 S, 8 SUB COLOR.
4. Adjust data so that the right sides of the waveform will be the same.

**STEREO-SEPARATION ADJUSTMENT**

1. Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
2. Enter into service mode and press 19.
3. Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

See direct test mode list attached and refer to sub brightness or such for adjustment method.

DEFLECTION SYSTEM ADJUSTMENT

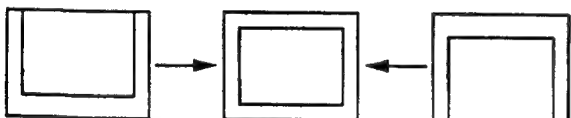
1. Enter into service mode and select CXD 2018 Q.
2. Select and adjust each item in order to get an optimum image.

01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	NON INTERLACE	ON
20	H SHIFT	31
21	N/S CORRECTION	ADJ.

V SIZE



V SHIFT



S CORRECTION



V LINEARITY



H SIZE



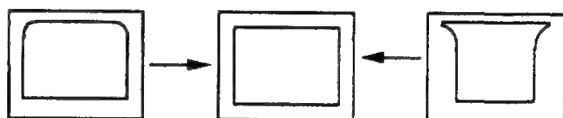
PIN AMP



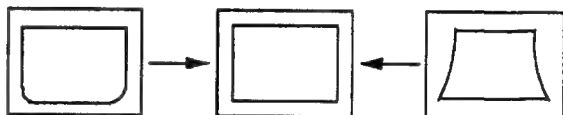
TILT



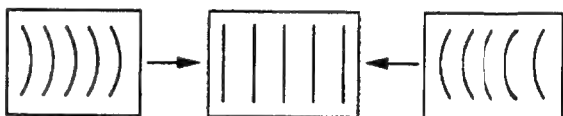
UPPER CORNER PIN



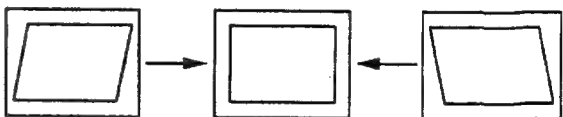
LOWER CORNER PIN



V BOW



ANGLE



H SHIFT



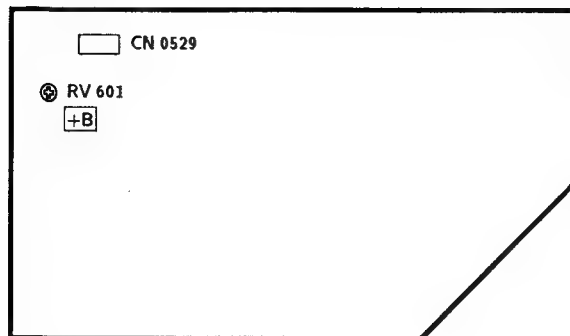
3. Press **OK** button to write the data.

If menu display may disturb the adjustment press **ESC** to clear, to resume it, press **ESC** again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

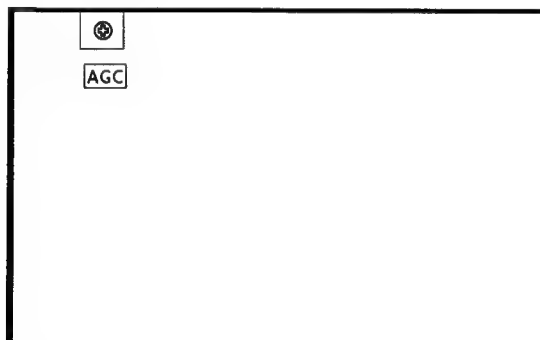
+B (+135 V) ADJUSTMENT (RV 601)

D BOARD



1. Turn on the power of the TV set.
2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
3. Adjust RV 601 on D board to +135 V.

AGC ADJUSTMENT (IF BLOCK)



1. Receive off-air signal.
2. Adjust AGC VR so that there is no snow noise and cross-modulation.
3. Change receiving channel and confirm status.

4-3. TEST MODE 2 :

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbors. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness max., Aging 2 Mode of CXA 1587S, TDA 2595 is locked to CXA 1587S via PIN 34 of μ -Con.)
08	Shipping Condition (Analog Values are RESET due to factory setting, Prog 1 is selected, TT Mode is switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM Reads Volume, Balance, Treble, Bass, Brightness, Contrast, Hue, Sharpness, Colour values from ROM to the actual used values (Last Power Memory)
16	Save actual used values as RESET values Memorize actual used values Balance, Treble, Bass, Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24-29	dummy

30	Tenth entry is deleted
31	Green Drive
32	Blue Drive
33	Green Cut Off (Auto Cut Off)
34	Blue Cut Off (Auto Cut Off)
35	Red Cut Off (Manual Cut Off) (Auto Cut Off is switched off)
36	Green Cut Off (Manual Cut Off) (Auto Cut Off is switched off)
37	Blue Cut Off (Manual Cut Off) (Auto Cut Off is switched off)
38	Y-Filter adjustment (Trap is switched off and TDA 9145 is switched in forced NTSC Mode)
39	dummy
40	Tenth entry is deleted
41	Default setting of CXA 1587S (Only in Plog 99 available)
42	Default setting of CXA 2018Q (Only in Plog 99 available)
43	Default setting of CXA 1526 (Only in Plog 99 available)
44	(all Port High) Not yet
45	(all Port High) Not yet
46-48	dummy
49	Erease the NVM Testbyte (this byte detects already stored NMV's) After selecting this function, switch TV Off and On → the NVM will be preset by μ -Controller. (Not the channel data)

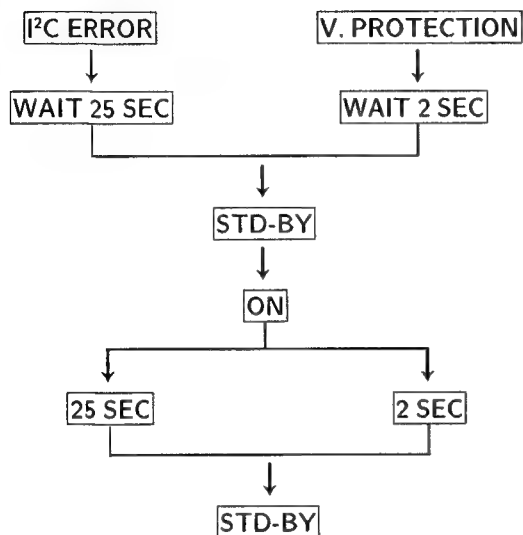
Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected. After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnosis system can operates as follows.

- When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I ² C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner PII
4	TDA 9145	Colour decoder
5	CXA 1587S	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018Q	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

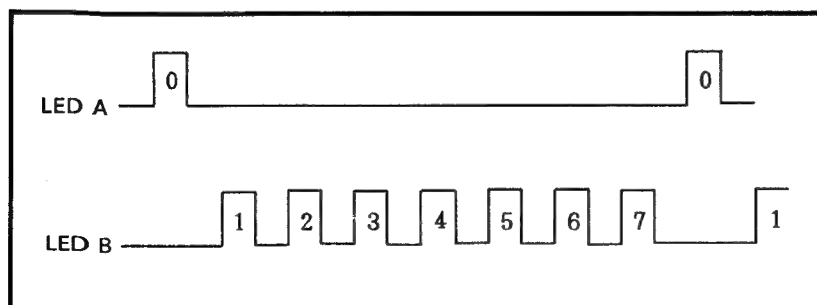
Stand by LED
blinking

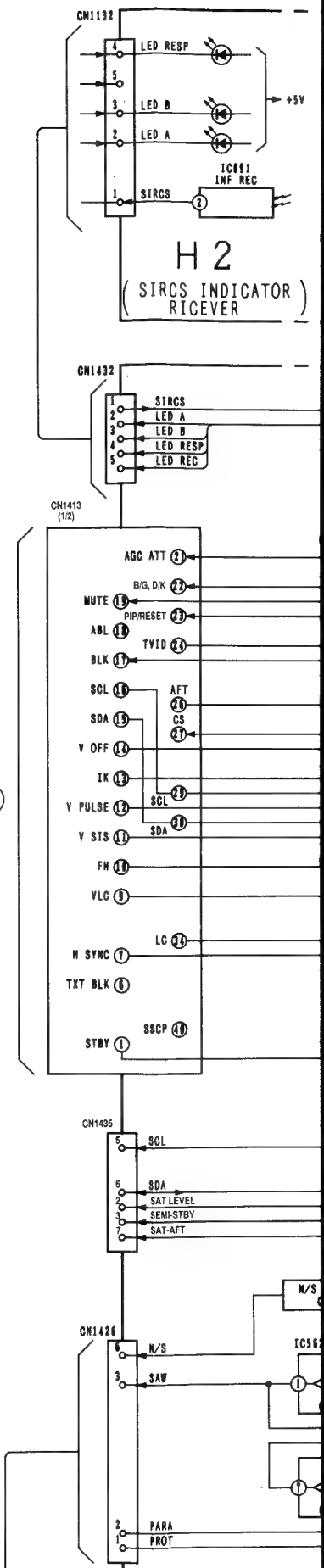
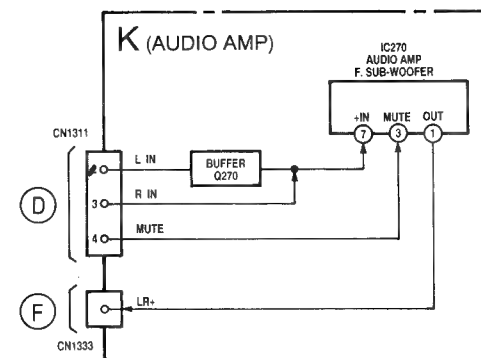
No IK return

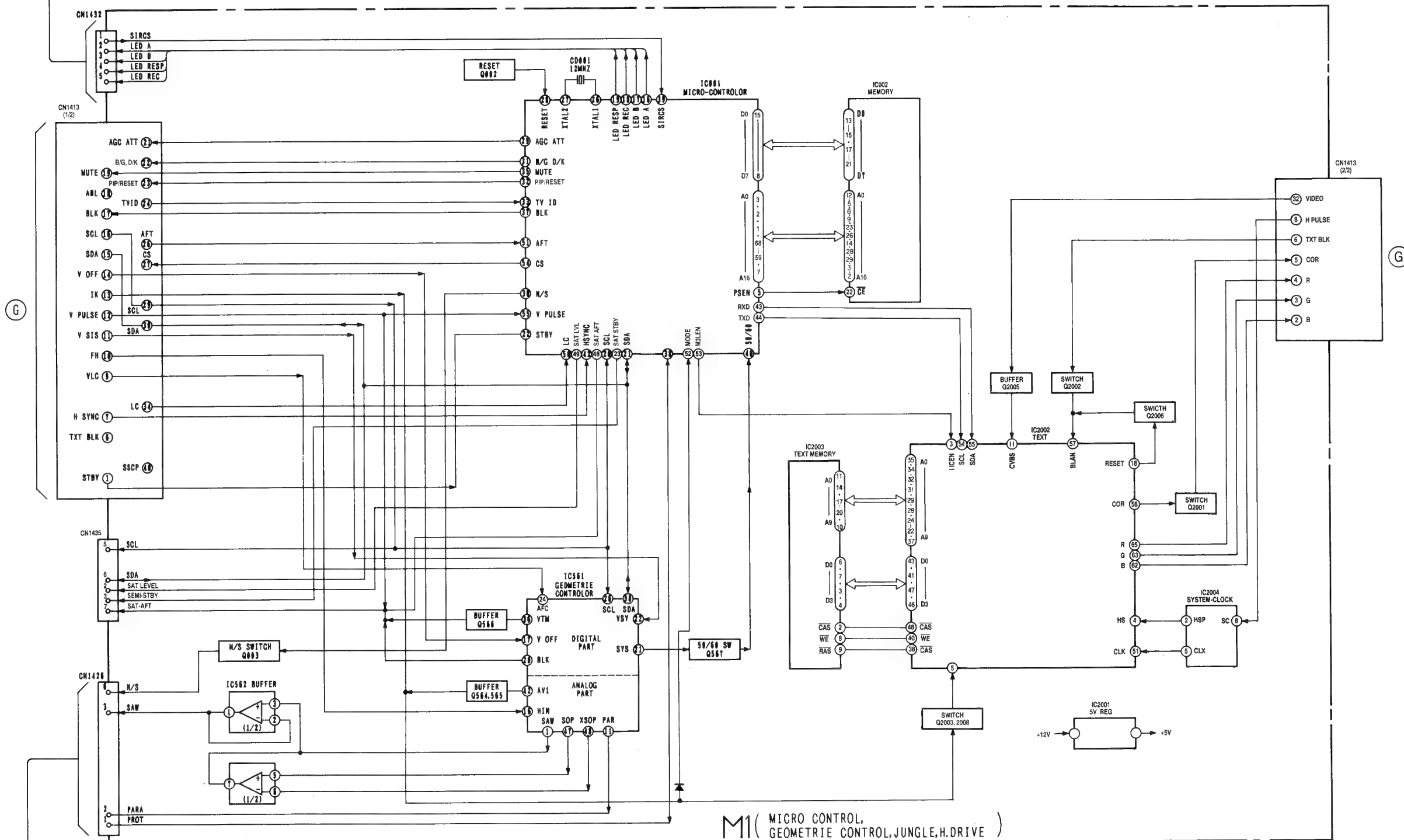
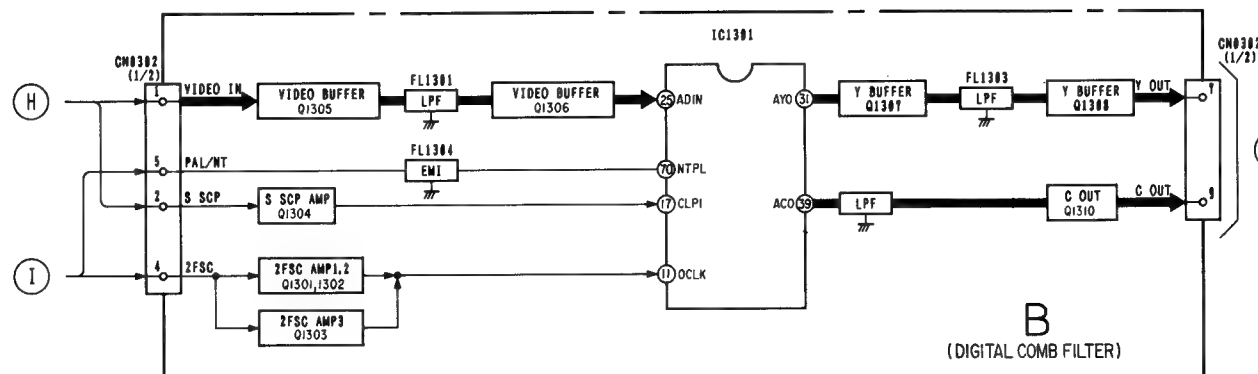
4-5. ERROR I²C BUS DIAGNOSIS SYSTEM IN AE-2A CHASSIS AVAILABLE

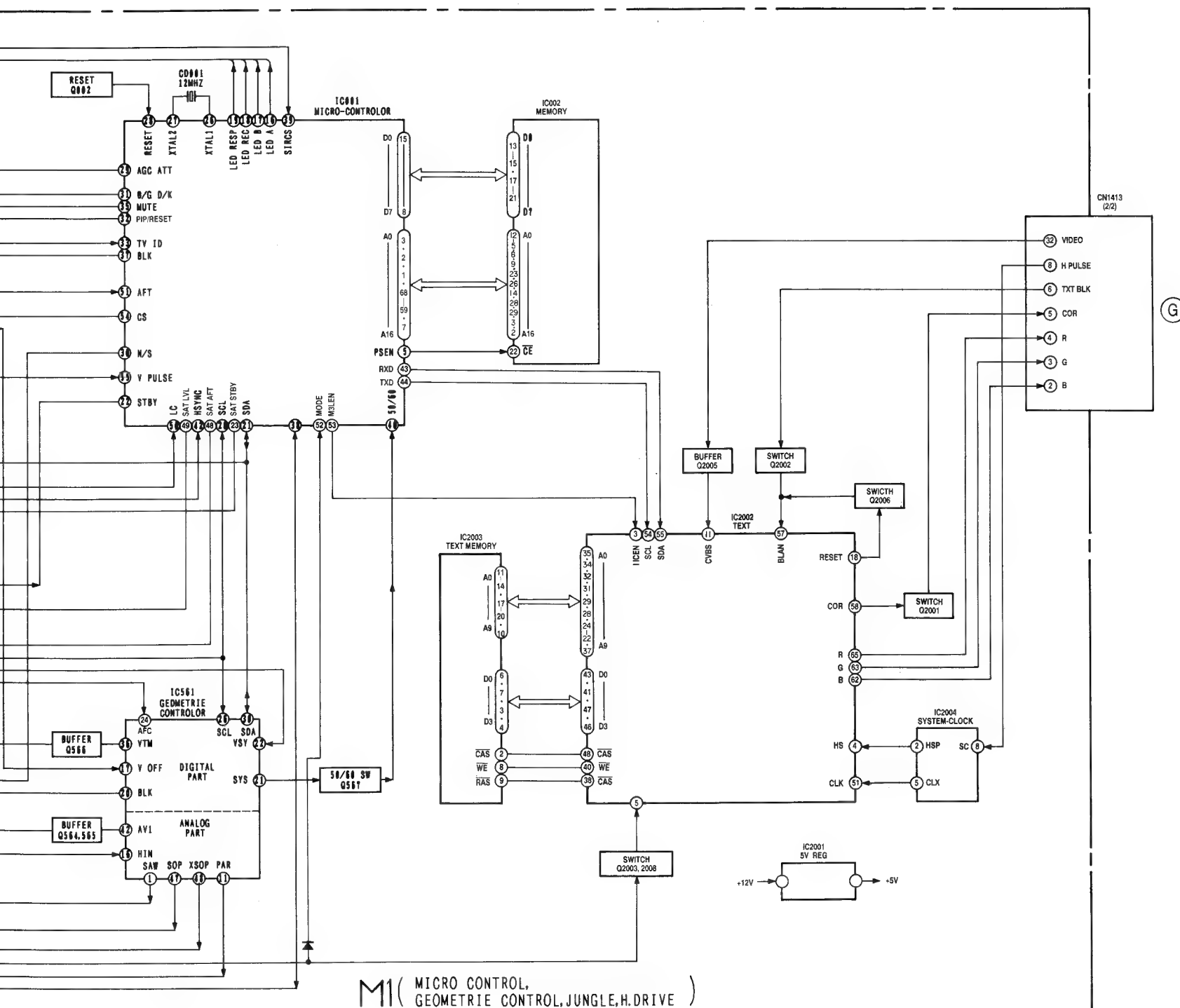
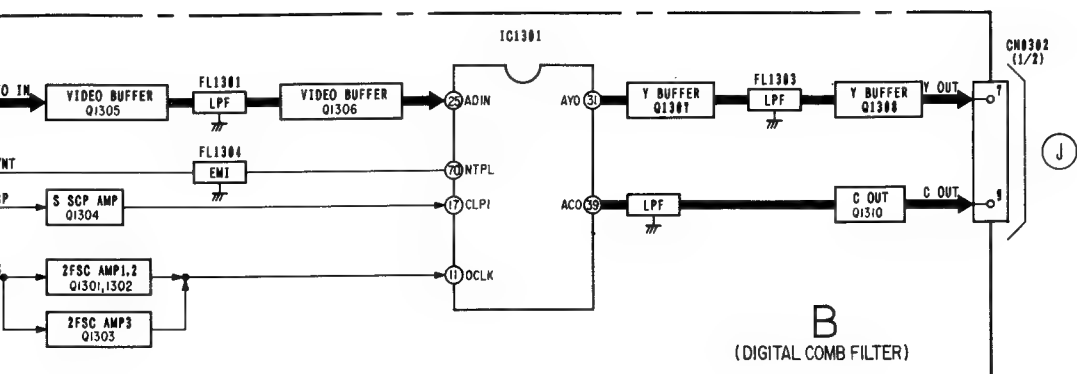
For all ICs in AE-2A chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

In case of no acknowledge bit, LED A and LED B starts blinking as shown.

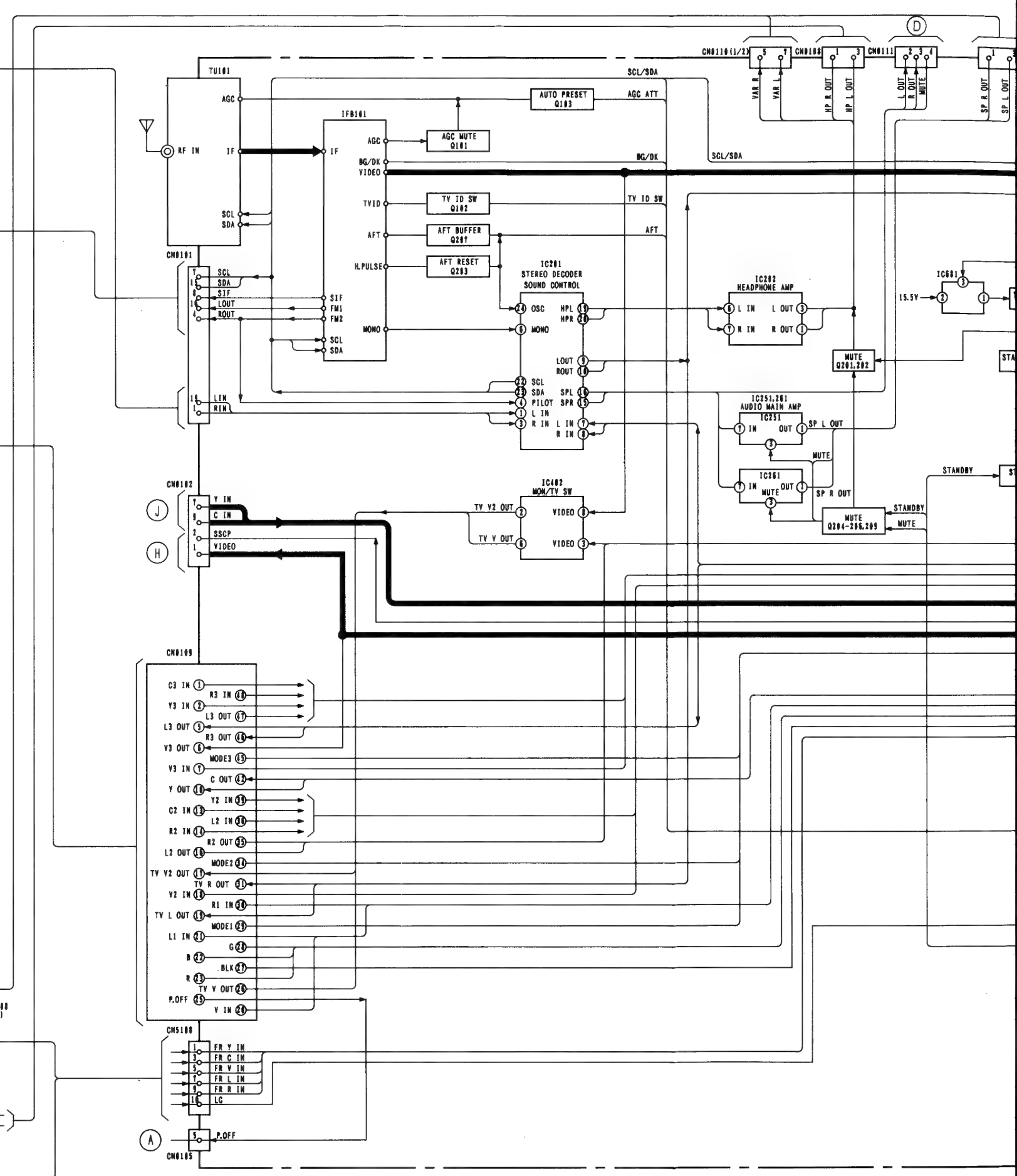
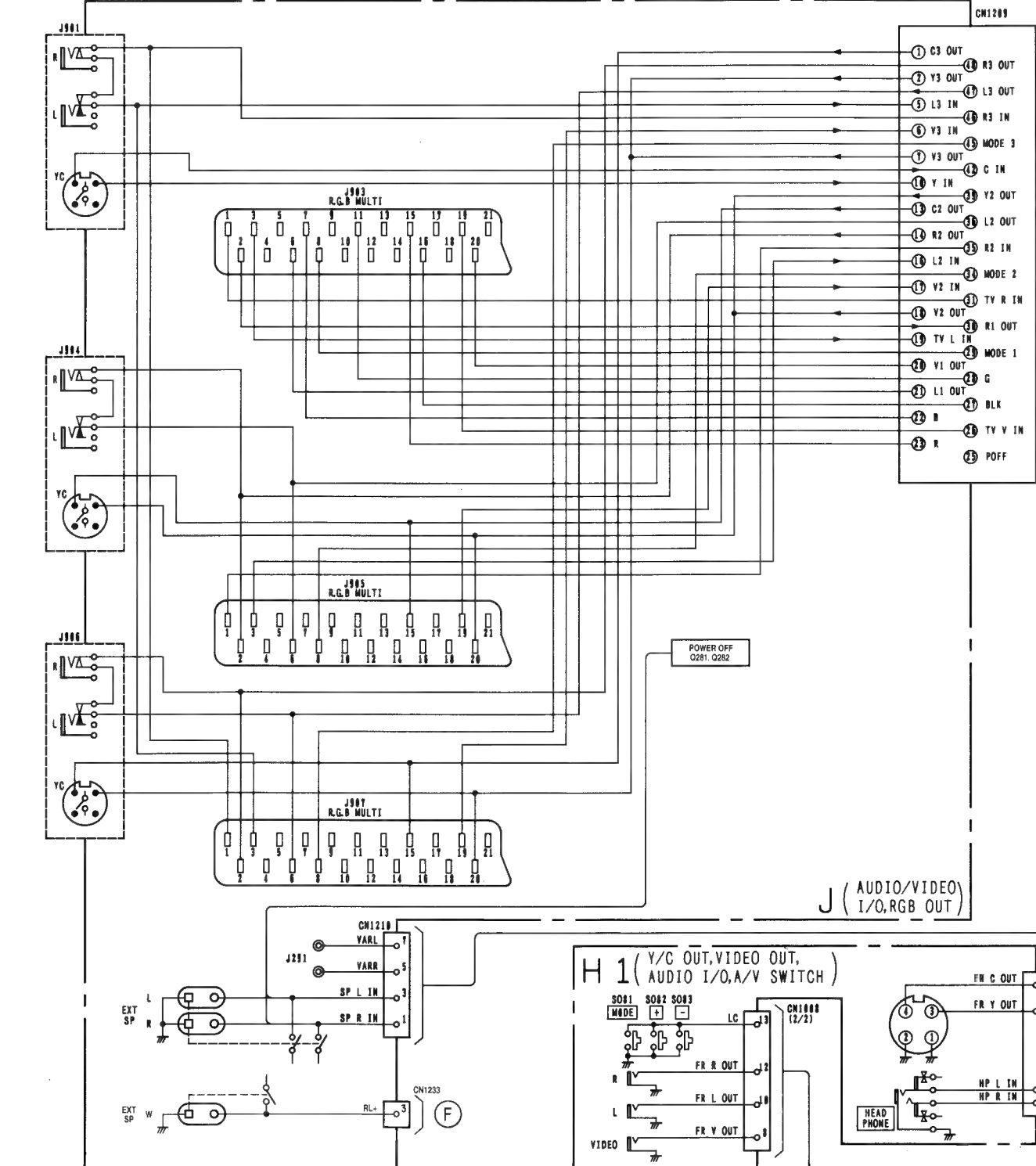


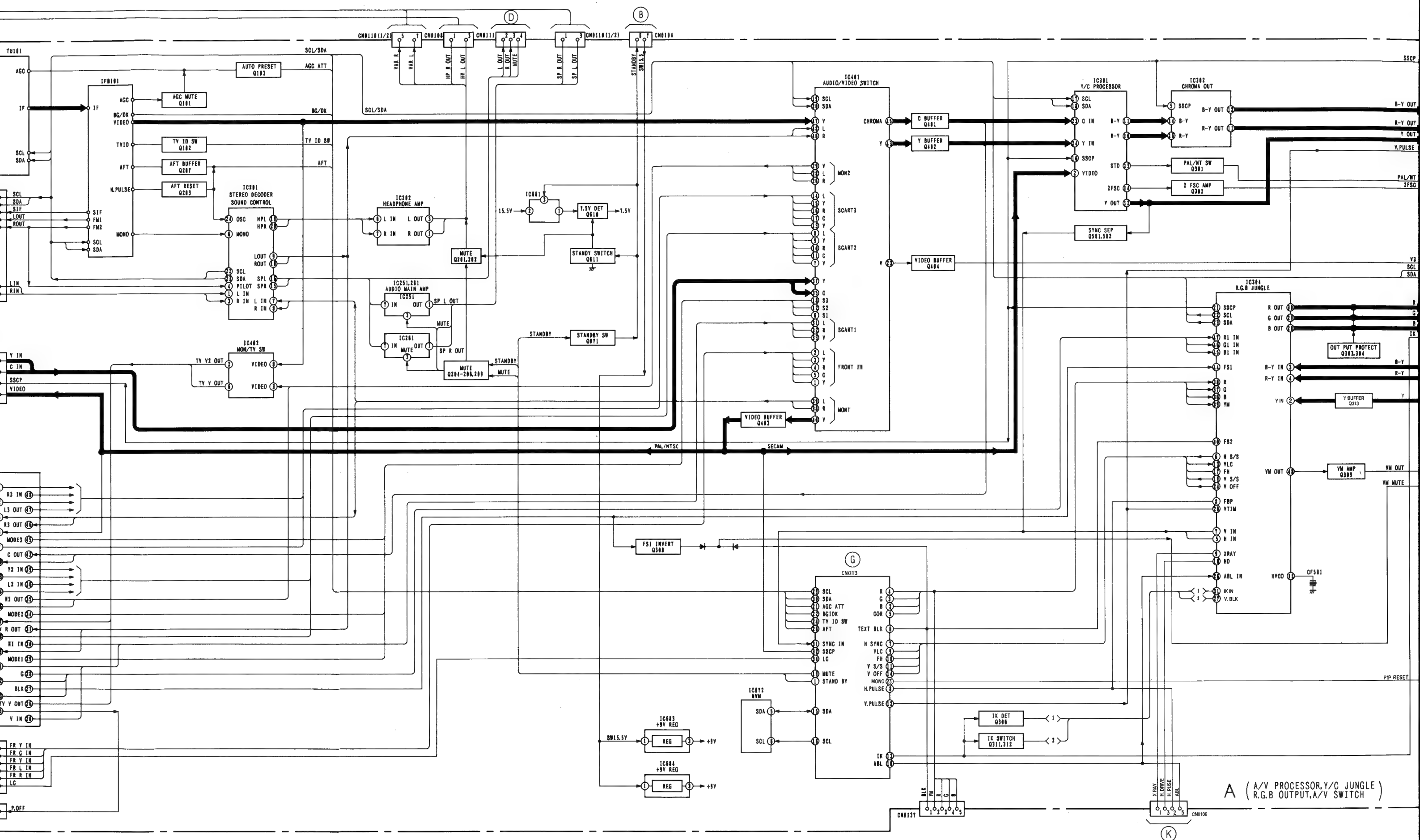






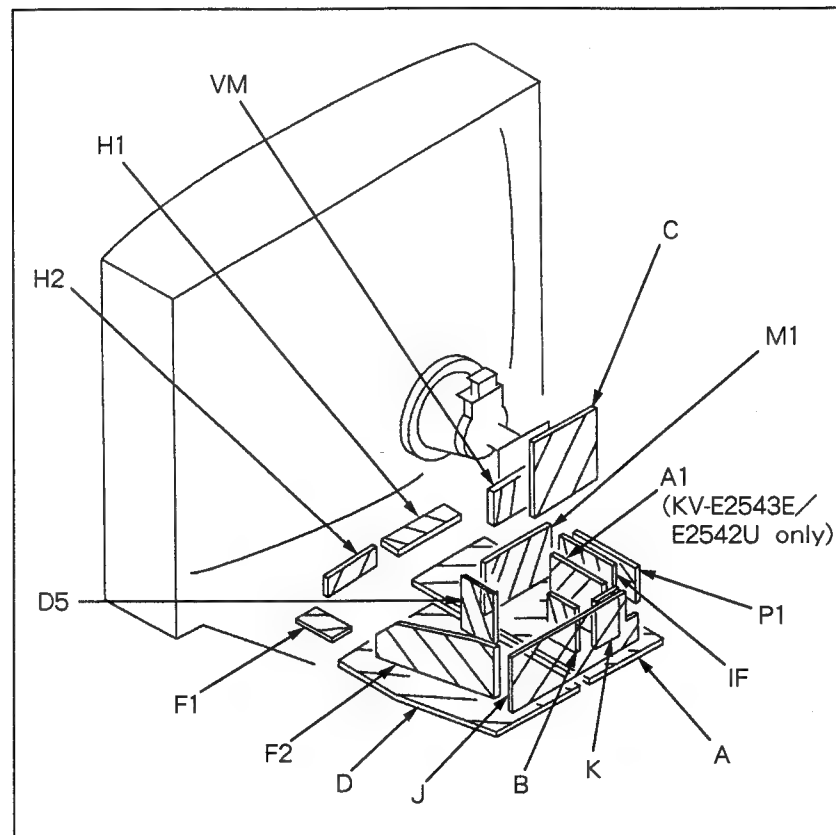
Spanish, UK model only









5-2. CIRCUIT BOARDS LOCATION



Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.










Note: Les composants identifiés par une trame et par une marque  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

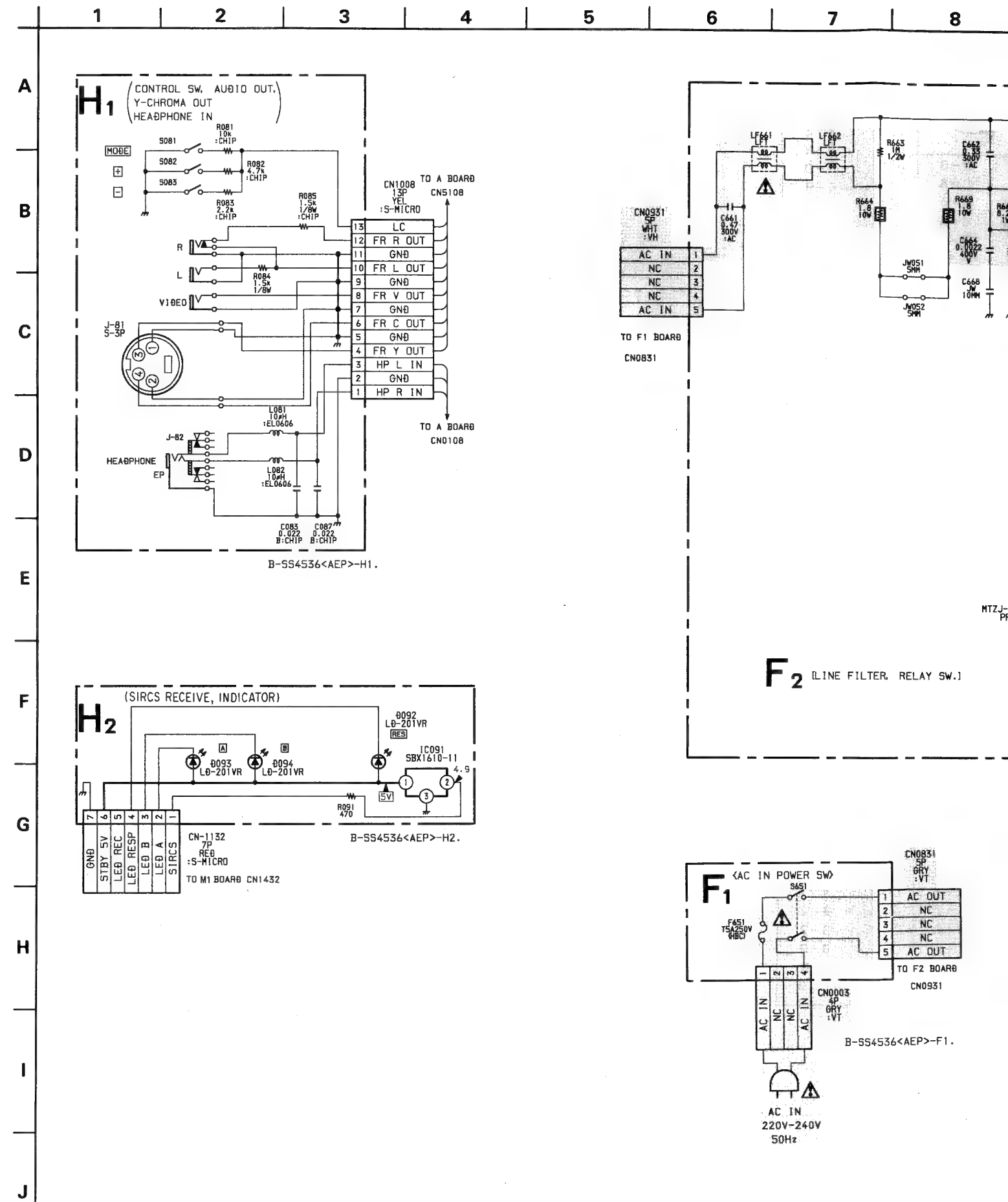
5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
pF: $\mu\mu F$ 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

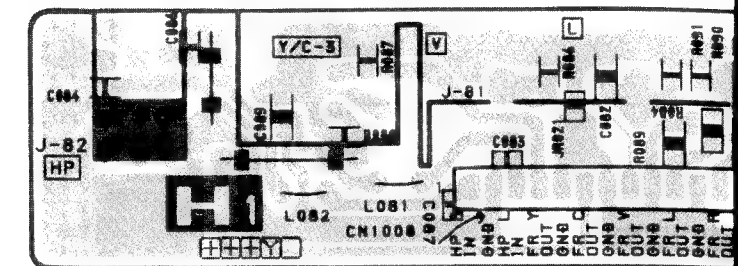
Pitch: 5mm
Rating electrical power: $\frac{1}{4}W$

- Chip resistor is in $1/10W$.
- All resistors are in ohms.
k Ω = 1000 Ω , M Ω = 1000K Ω
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B+ bus.
- : B- bus.
- : signal path.(RF)
- : earth - ground
- : earth - chassis

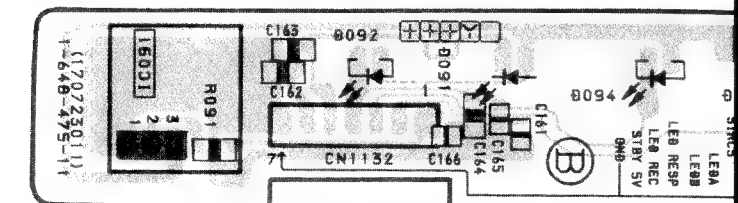


H1 [CONTROL SW, AUDIO OUT
Y - CHROMA OUT, HEADPHONE]H2 [SIRC
INDIC]

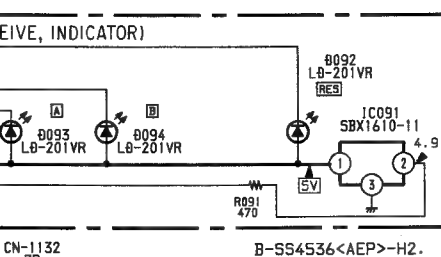
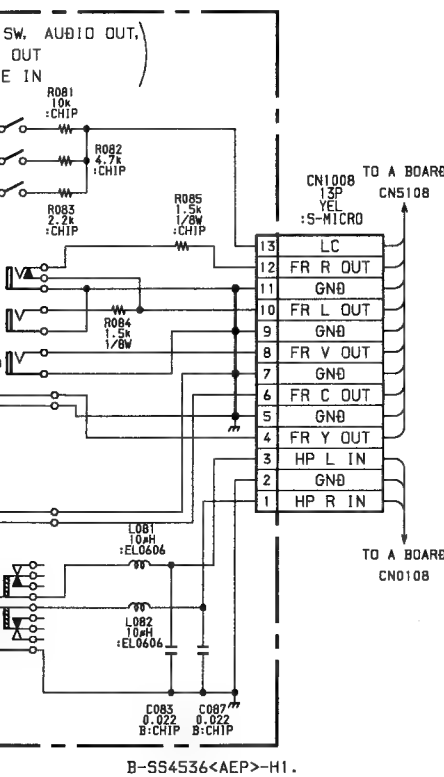
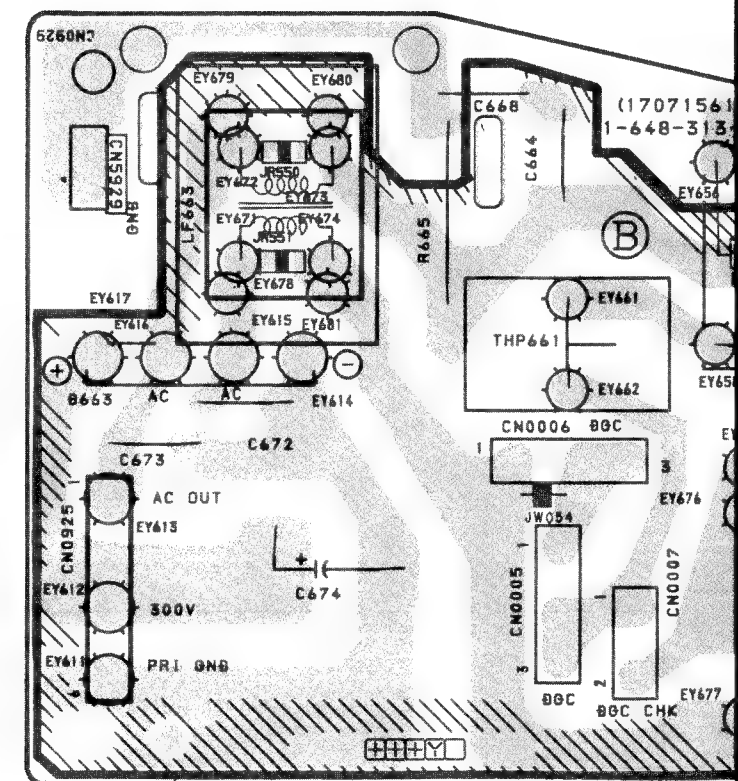
- H1 BOARD -



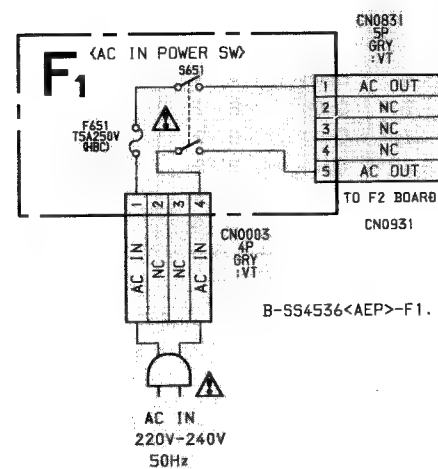
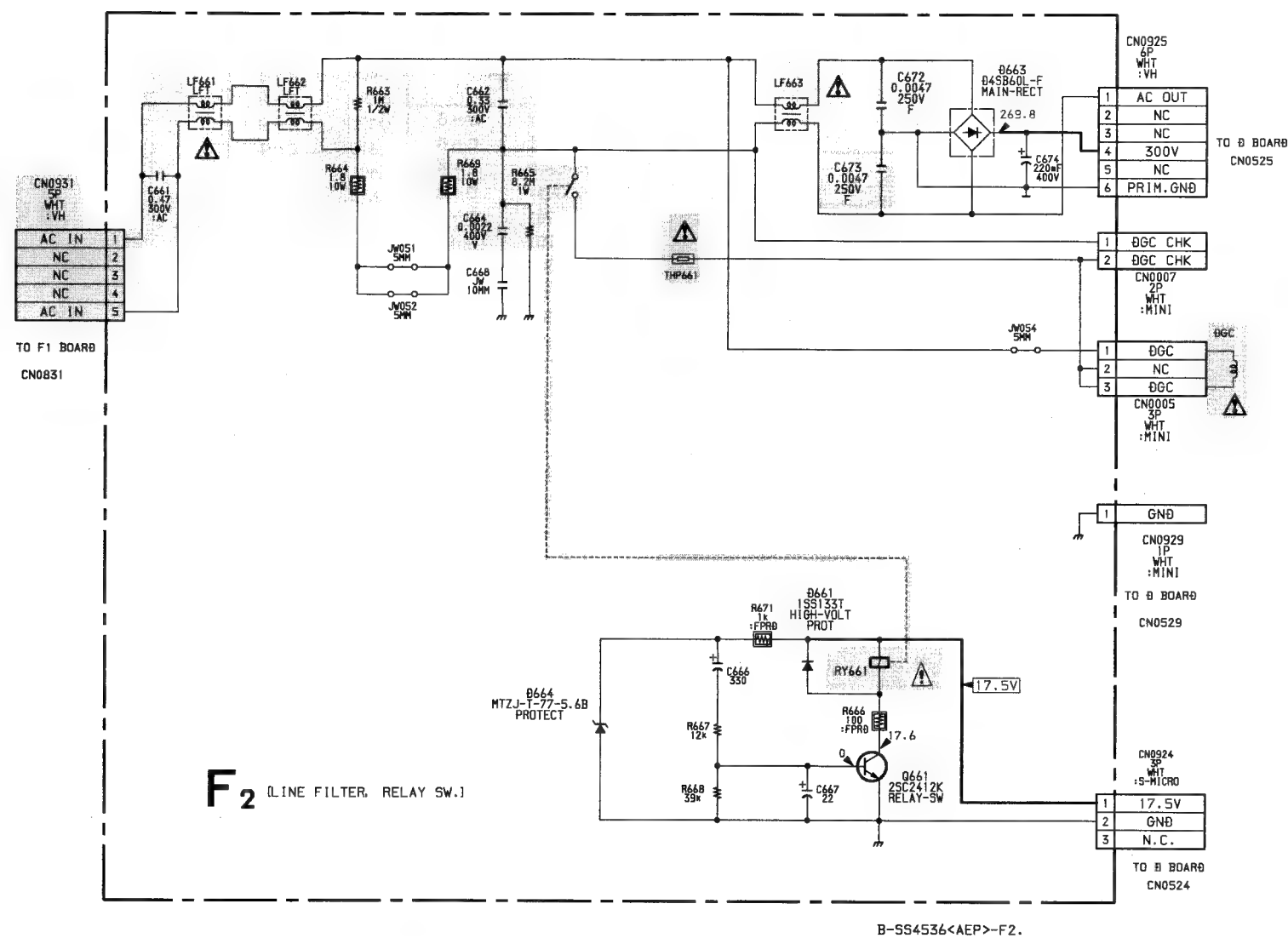
- H2 BOARD -

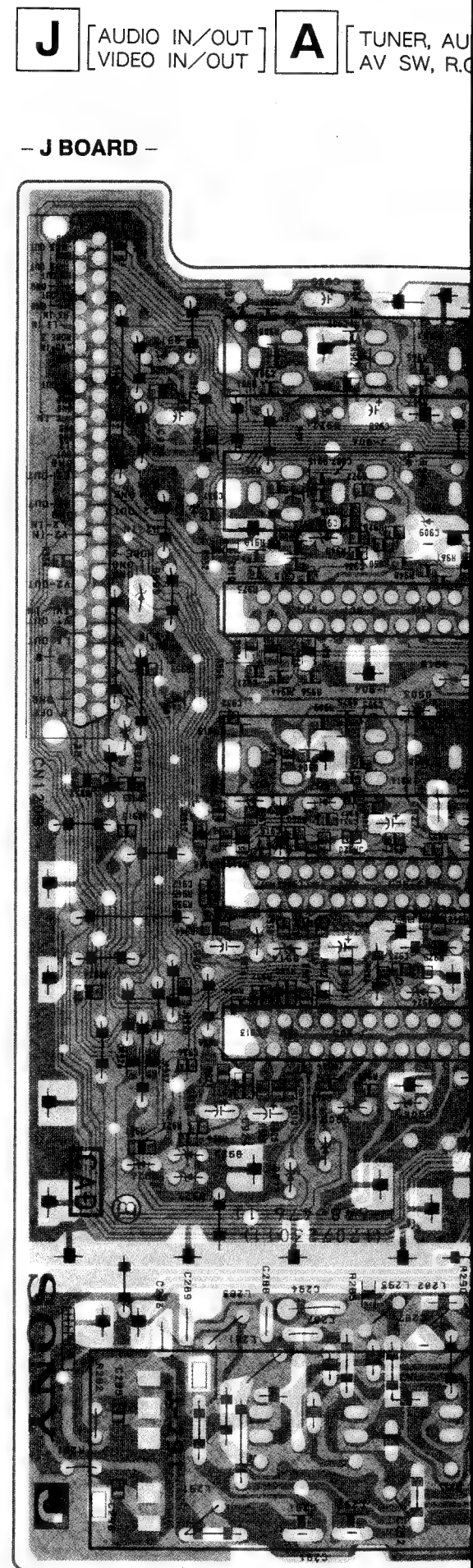


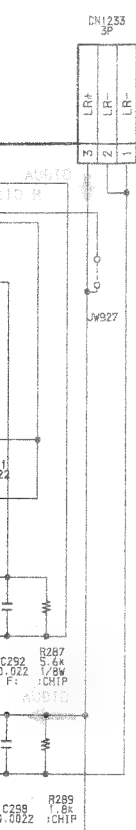
- F2 BOARD -



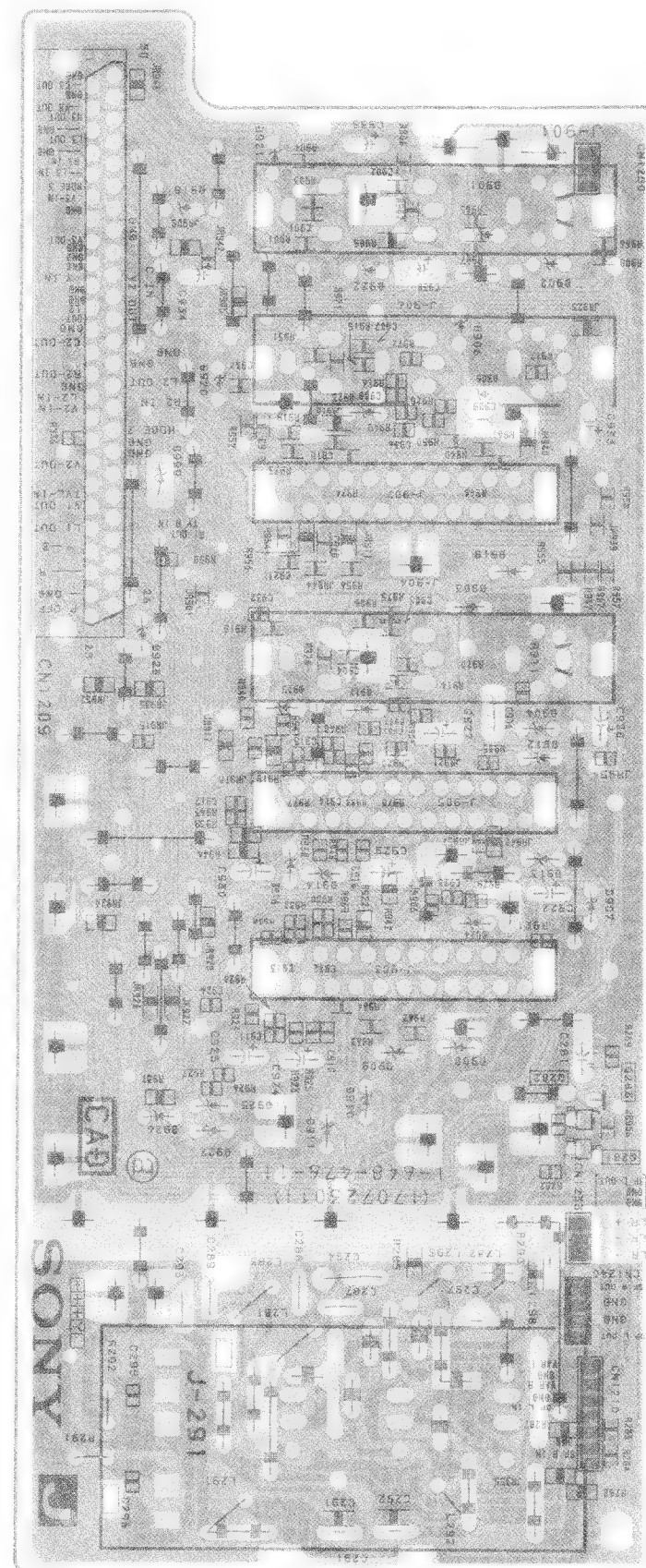
CN-1132
7P
:S-MICRO
TO M1 BOARD CN1432





TO K BOARD
CN1333**J**[AUDIO IN/OUT
VIDEO IN/OUT]**A**[TUNER, AUDIO, CONTROL, AUDIO AMP,
AV SW, R.G.B JUNGLE, Y/C PROCESSOR]

- J BOARD -

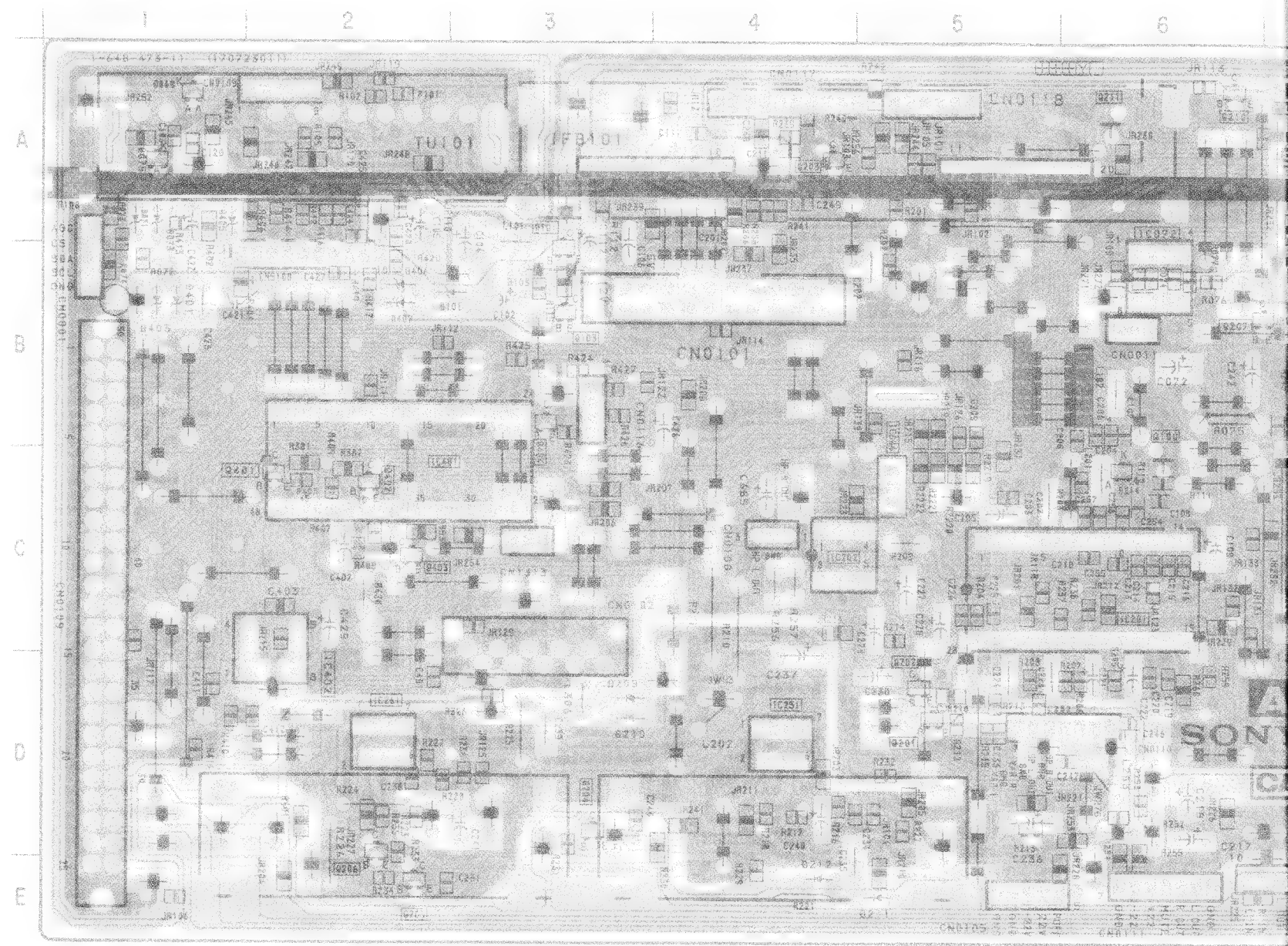


IC			
IC072	B-6	Q404	B-3
IC201	C-6	Q581	B-9
IC202	C-4	Q582	B-9
IC251	D-4	Q610	E-9
IC261	D-2	Q681	E-7
IC301	A-8	Q682	D-9
IC302	A-10	DIODE	
IC304	C-10		
IC401	C-2	D068	B-7
IC402	D-2	D069	A-1
IC681	D-9	D071	A-1
IC684	C-4	D073	A-1
IC685	E-8	D075	A-1
TRANSISTOR		D077	B-7
		D078	B-7
Q071	D-8	D079	B-7
Q101	A-3	D101	B-2
Q102	A-7	D206	D-7
Q103	A-3	D207	E-7
Q201	D-5	D208	D-7
Q202	D-5	D209	D-3
Q203	A-4	D210	D-3
Q204	D-3	D211	E-5
Q205	E-2	D212	E-4
Q206	D-2	D213	D-5
Q207	B-6	D214	C-6
Q209	E-7	D301	B-9
Q210	A-6	D302	A-9
Q301	A-7	D304	B-10
Q302	B-7	D305	C-9
Q303	D-10	D306	D-10
Q304	D-10	D307	D-10
Q305	A-8	D308	D-10
Q306	D-10	D311	C-9
Q308	C-9	D312	C-8
Q309	C-9	D313	C-7
Q311	C-8	D381	C-8
Q312	C-8	D401	B-1
Q313	B-8	D403	B-1
Q314	C-7	D405	A-1
Q315	D-7	D406	B-2
Q401	C-2	D407	B-2
Q402	C-2	D571	B-9
Q403	C-2	D681	E-8
		D683	D-9

Note :

- Pattern from the side which enables seeing.
- Pattern of the rear side.

- A BOARD -

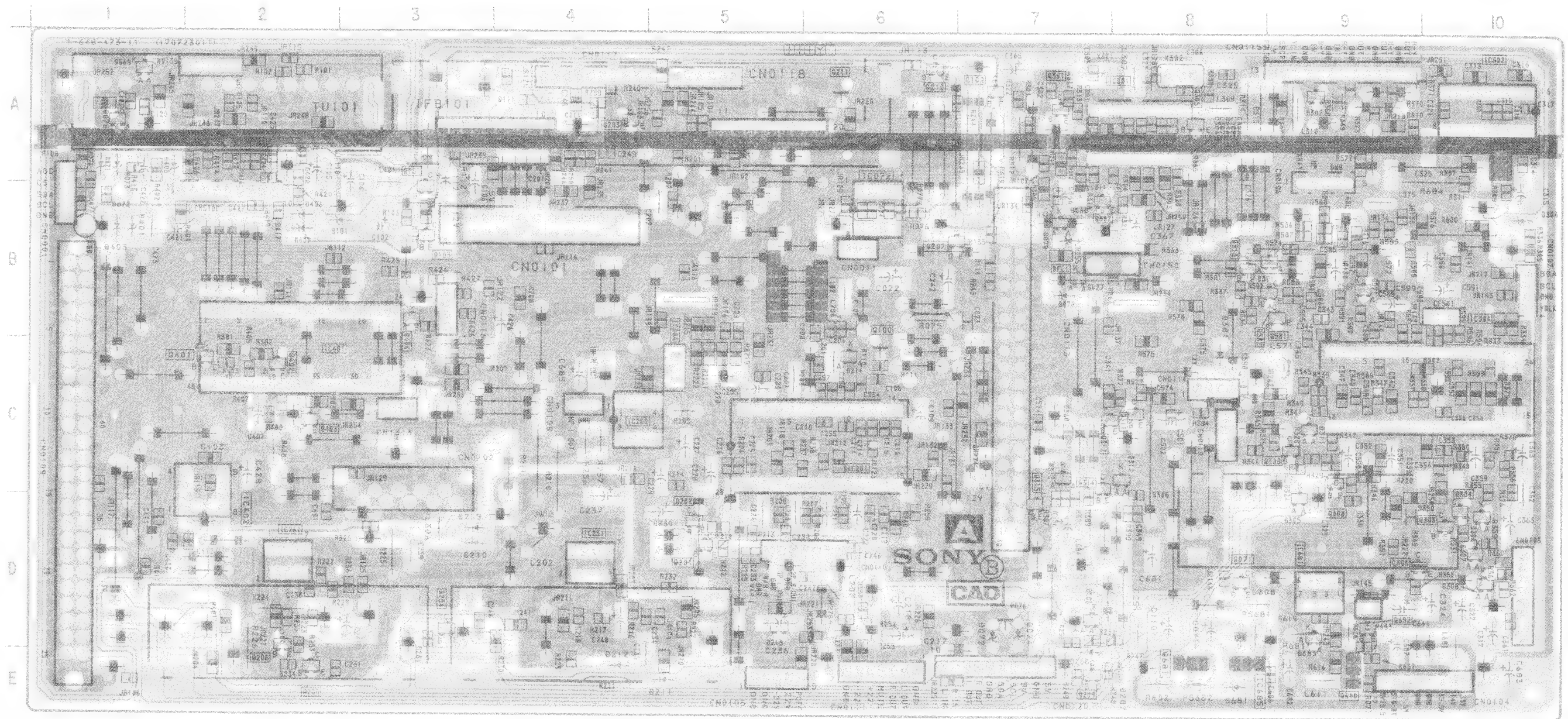


AMP,

CESSOR

- A BOARD -

IC		Q404	B-3
2	B-6	Q581	B-9
	C-6	Q582	B-9
2	C-4	Q610	E-9
1	D-4	Q681	E-7
1	D-2	Q682	D-9
1	A-8	DIODE	
2	A-10		
4	C-10		
1	C-2		
2	D-2		
1	D-9		
4	C-4		
5	E-8		
TRANSISTOR		D068	B-7
	D-8	D069	A-1
	A-3	D071	A-1
2	A-7	D073	A-1
3	A-3	D075	A-1
	D-5	D077	B-7
2	D-5	D078	B-7
3	A-4	D079	B-7
4	D-3	D101	B-2
5	E-2	D206	D-7
6	D-2	D207	E-7
7	B-6	D208	D-7
9	E-7	D209	D-3
0	A-6	D210	D-3
	A-7	D211	E-5
2	B-7	D212	E-4
3	D-10	D213	D-5
4	D-10	D214	C-6
5	A-8	D301	B-9
6	D-10	D302	A-9
8	C-9	D304	B-10
9	C-9	D305	C-9
	C-8	D306	D-10
2	C-8	D307	D-10
3	B-8	D308	D-10
4	C-7	D311	C-9
5	D-7	D312	C-8
	C-2	D313	C-7
2	C-2	D381	C-8
3	C-2	D401	B-1
		D403	B-1
		D405	A-1
		D406	B-2
		D407	B-2
		D571	B-9
		D681	E-8
		D683	D-9



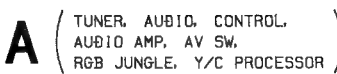
Note :

Pattern from the side which enables seeing.

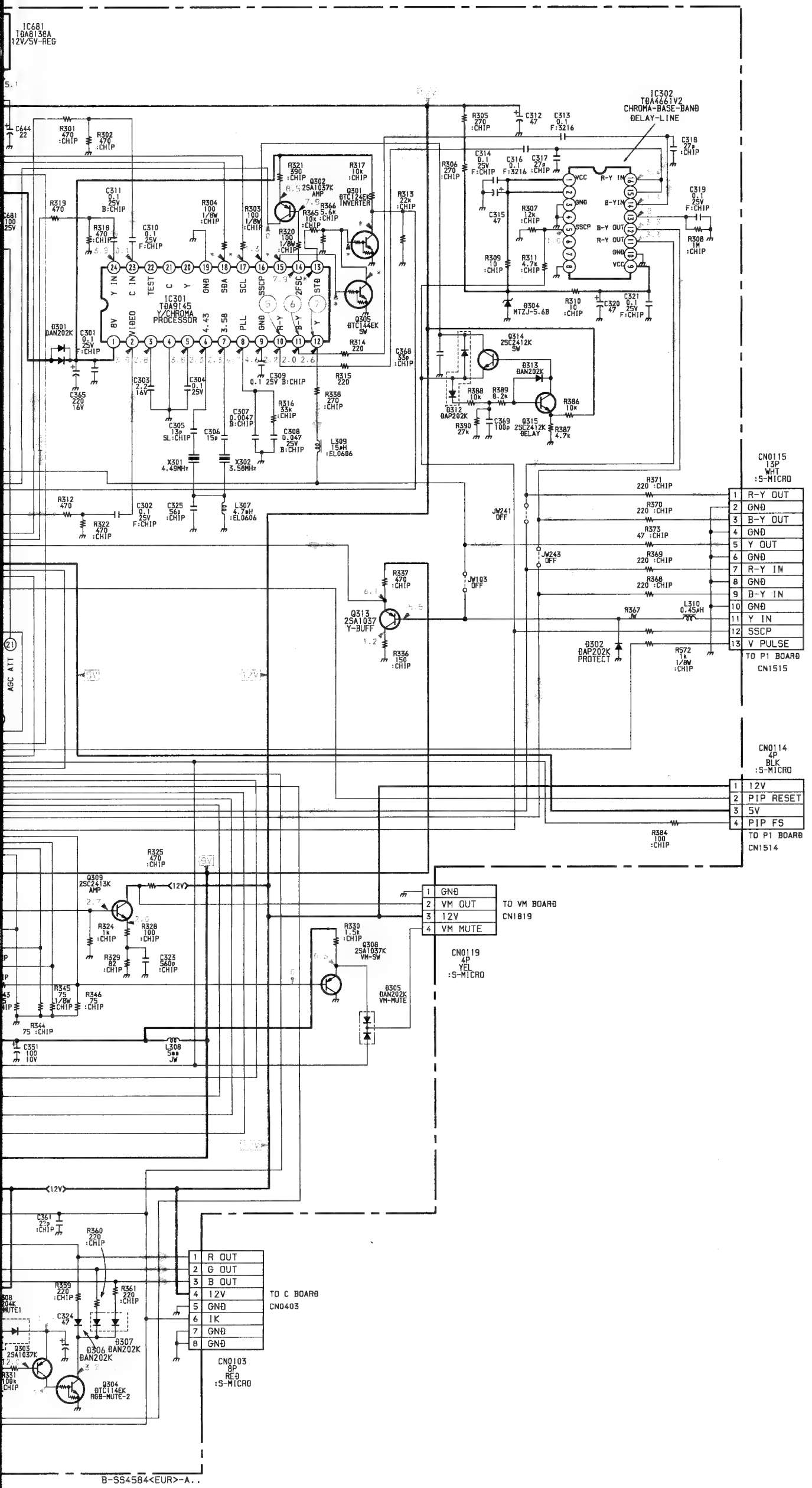
Pattern of the rear side.

Pattern from the side which enables seeing.

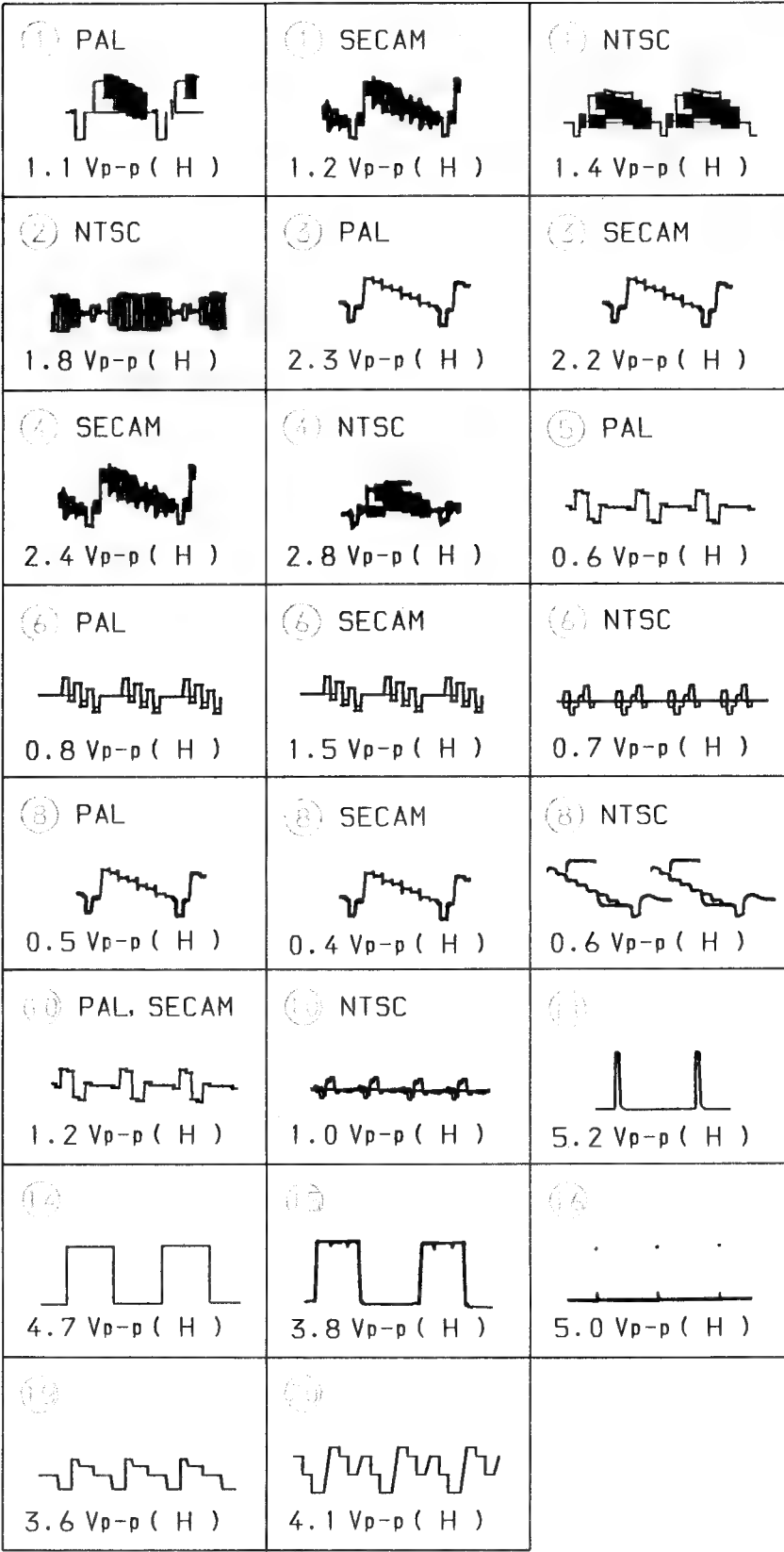
Pattern of the rear side.







• WAVEFORMS A BOARD



As to the voltage value shown by the waveform on the Schematic Diagram, see the another chart.

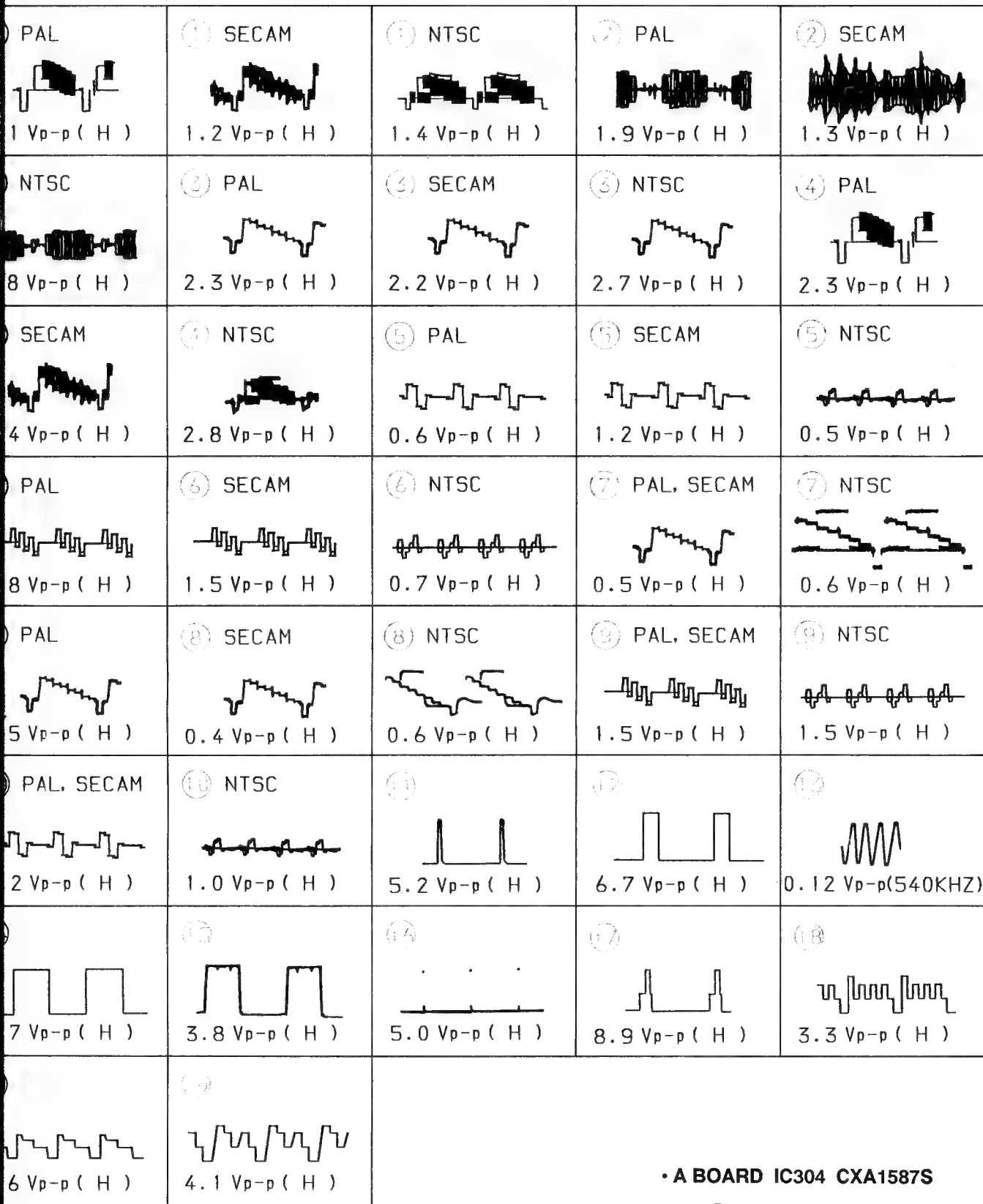
A BOARD



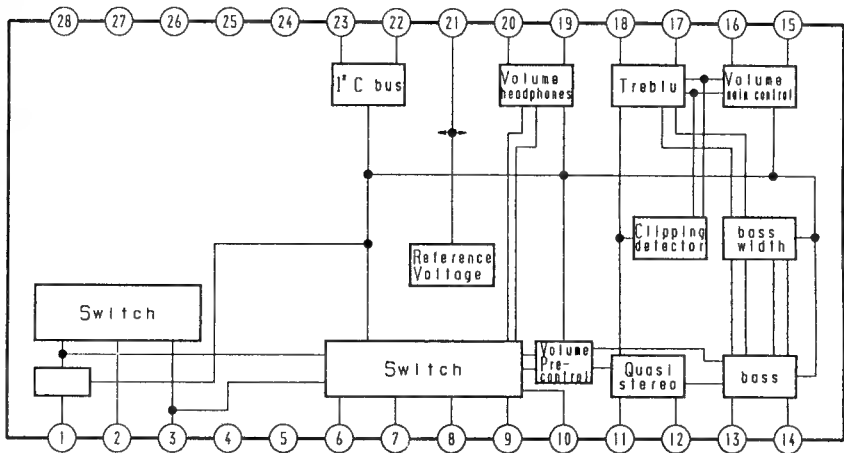
A BOARD * MARK

Model	Italian	French	AEP	Spanish	UK
C595	-	-	-	47PF/50V	47PF/50V
CN0101	-	-	-	20P	20P
IC201	TDA6612	TDA6612	TDA6612	TDA6612	TDA6612
IFB101	IFH-389	IFH-389F	IFH-389	IFH-389	IFH-389
TU101	UV916H	BTP-EC411	UV916H	UV916H	UV916H

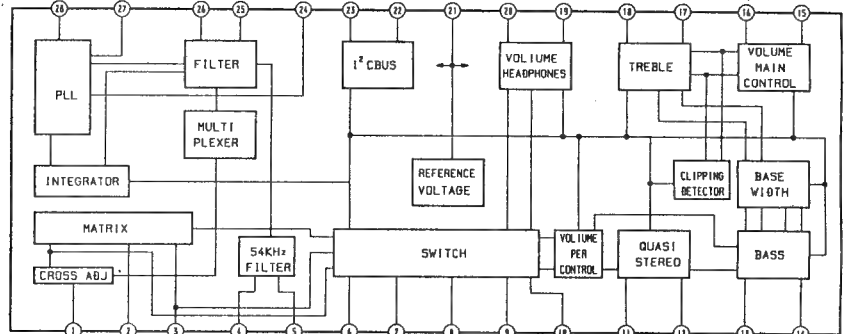
WAVEFORMS A BOARD



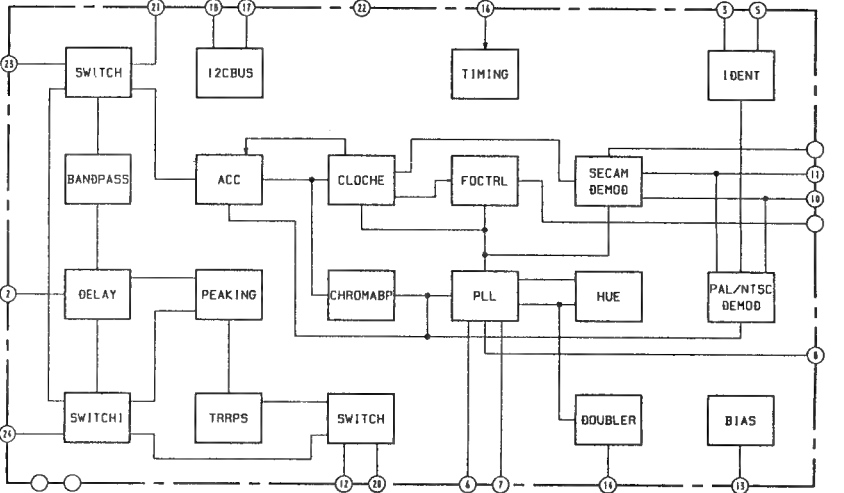
A BOARD IC201 TDA6622 (UK Model only)



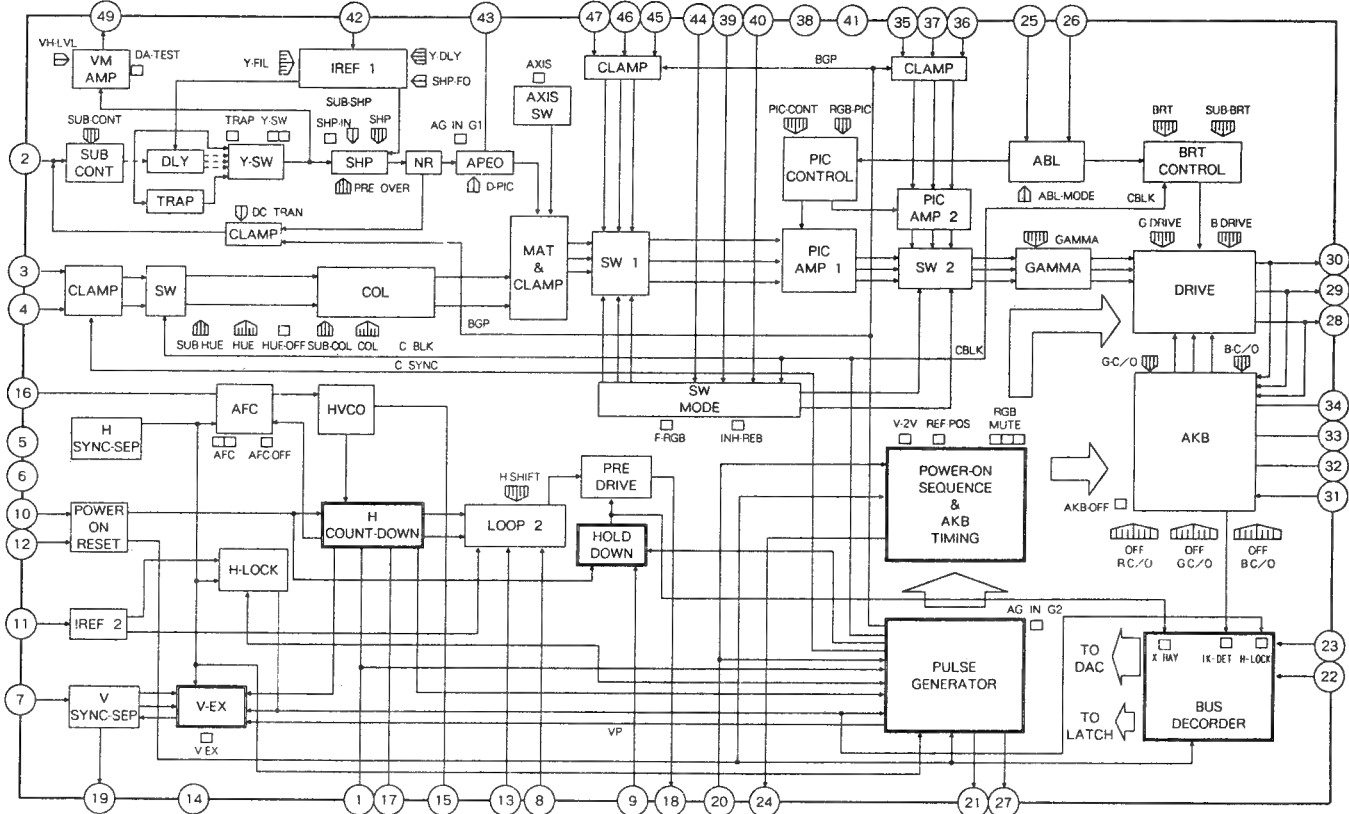
A BOARD IC201 TDA6612



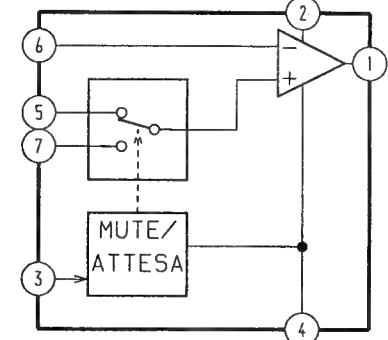
A BOARD IC301 TDA9145



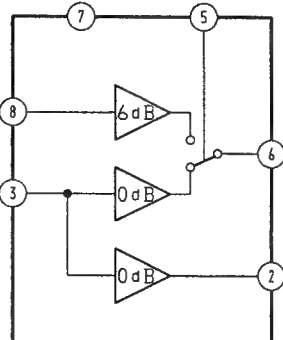
A BOARD IC304 CXA1587S



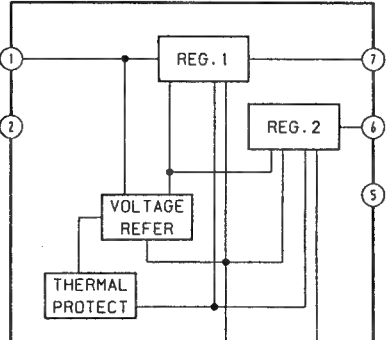
A BOARD IC251/261 TDA2052



A BOARD IC402 TEA2114



A BOARD IC681 TDA8134A



to the voltage also shown by
mark from the schematic
graph see the other side.

BOARD

Model	Italian	French	AEP	Spanish	UK
5	-	-	-	47PF/50V	47PF/50V
101	-	-	-	20P	20P
01	TDA6612	TDA6612	TDA6612	TDA6612	TDA6622
01	IFH-389	IFH-389F	IFH-389	IFH-389	IFH-395
01	UV916H	BTP-EC411	UV916H	UV916H	UV944C

BOARD * MARK

Model	Italian	French	AEP	Spanish	UK
5	-	-	-	47PF/50V	47PF/50V
101	-	-	-	20P	20P
01	TDA6612	TDA6612	TDA6612	TDA6612	TDA6622
01	IFH-389	IFH-389F	IFH-389	IFH-389	IFH-395
01	UV916H	BTP-EC411	UV916H	UV916H	UV944C

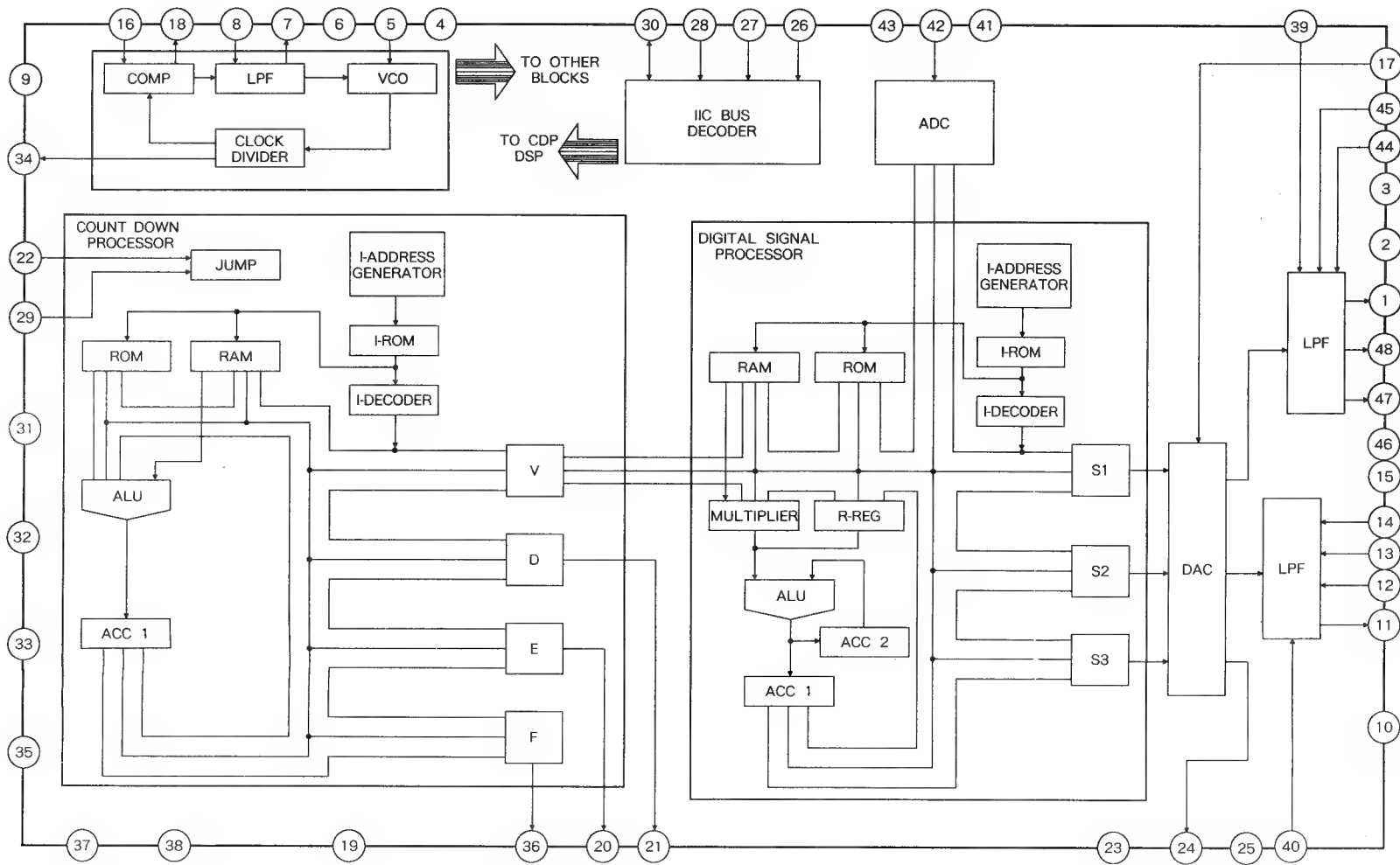
Schematic diagrams

← A boards

Schematic diagrams

→ M1 boards

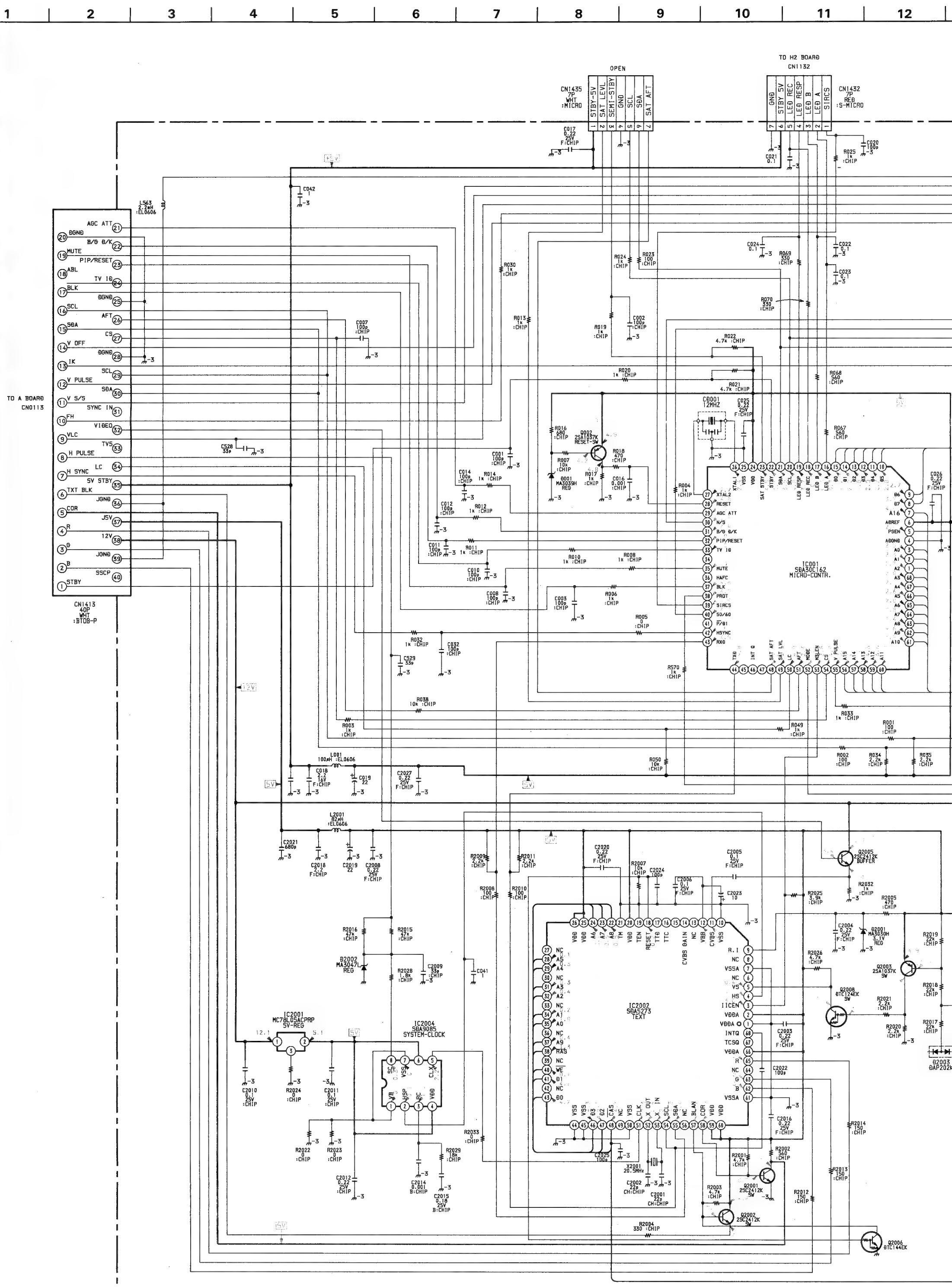
• M1 BOARD IC561 CXD2018Q



TO A BOARD
CN0113

Pin	Signal
20	BOND
19	MUTE
18	ABL
17	BLK
16	SCL
15	SBA
14	V OFF
13	IK
12	V PULSE
11	V S/S
10	FH
9	VLC
8	H PULS
7	H SYNC
6	TXT BLK
5	COR
4	R
3	Q
2	B
1	STBY

CN141
40P
WHT
:BTDB





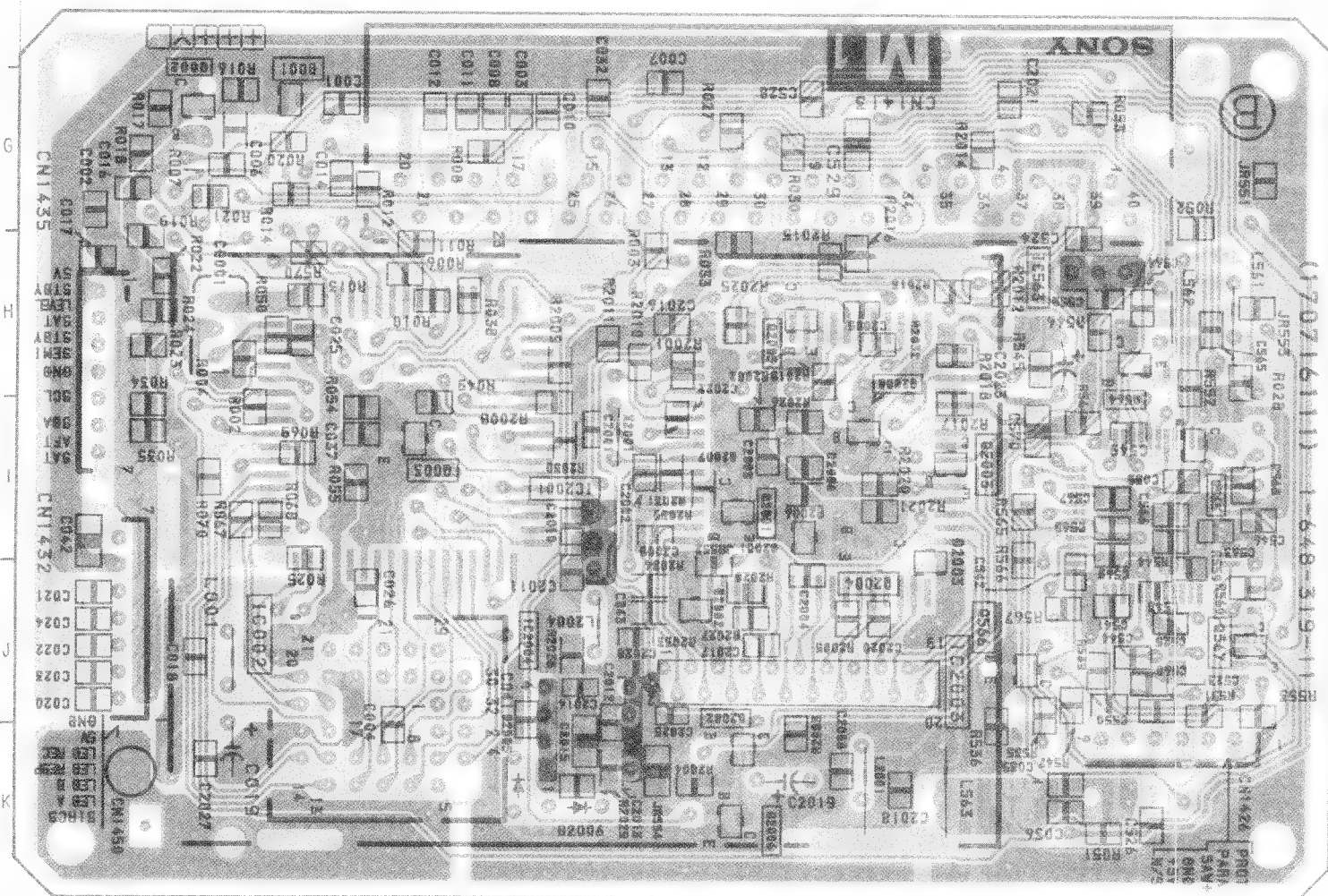
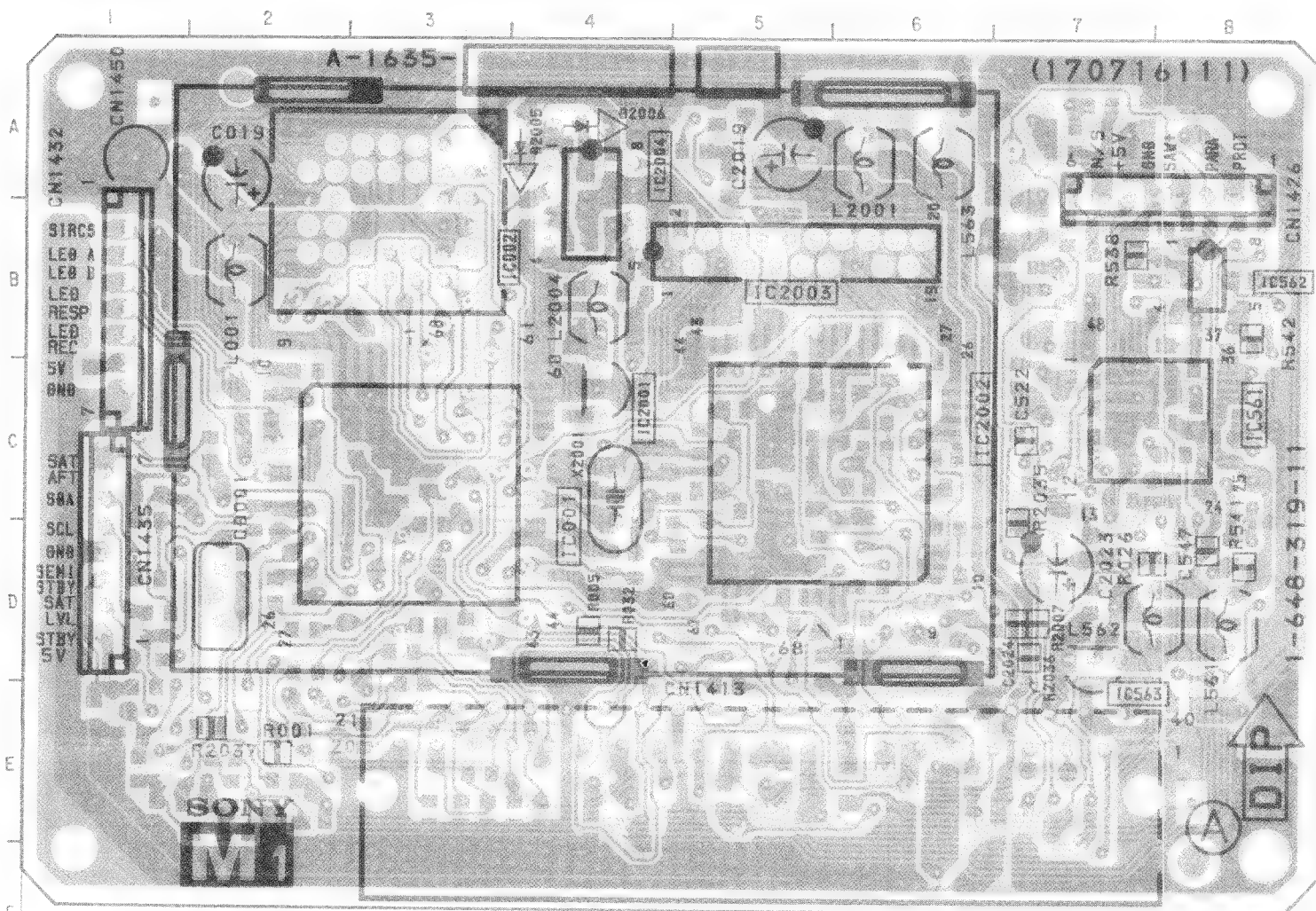
M1

MICRO CONTROLLER,
GEOMETRY CONTROLLER,
JUNGLE, H - DRIVE

D

H/V OUT, PIN OUT,
POWER SUPPLY

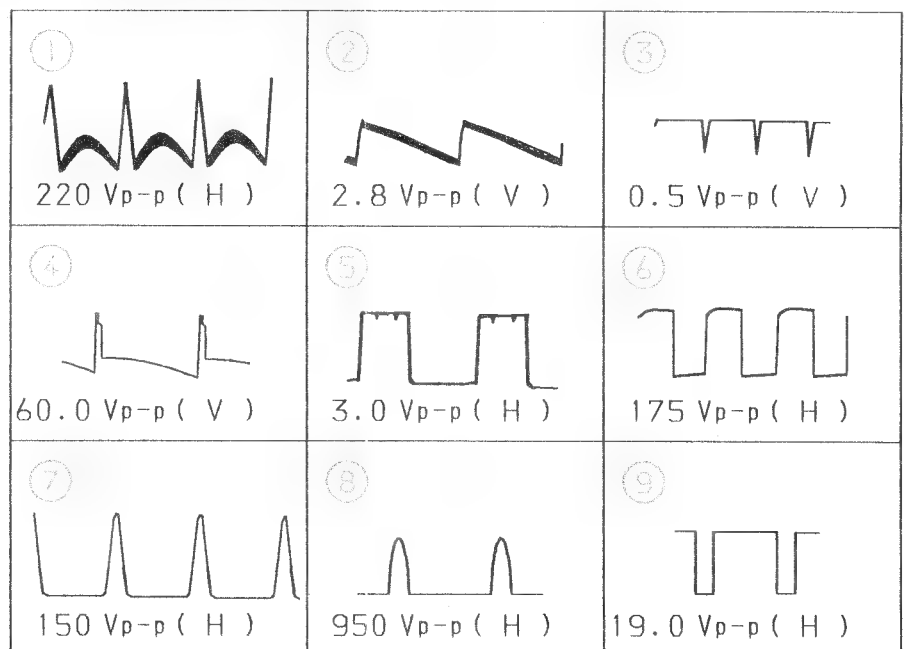
- M1 BOARD -



Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

• WAVEFORMS D BOARD



IC	
IC001	C - 3
IC002	B - 3, J - 3
IC561	C - 8
IC562	B - 8
IC563	D - 7, H - 7
IC2001	C - 4, I - 4
IC2002	C - 6
IC2003	B - 5, J - 6
IC2004	A - 4, J - 4

TRANSISTOR	
Q002	G - 2
Q003	I - 3
Q564	H - 7
Q565	I - 8
Q566	J - 7
Q567	J - 8
Q2001	I - 5
Q2002	J - 5
Q2003	I - 6
Q2005	H - 5
Q2006	K - 5
Q2008	I - 6

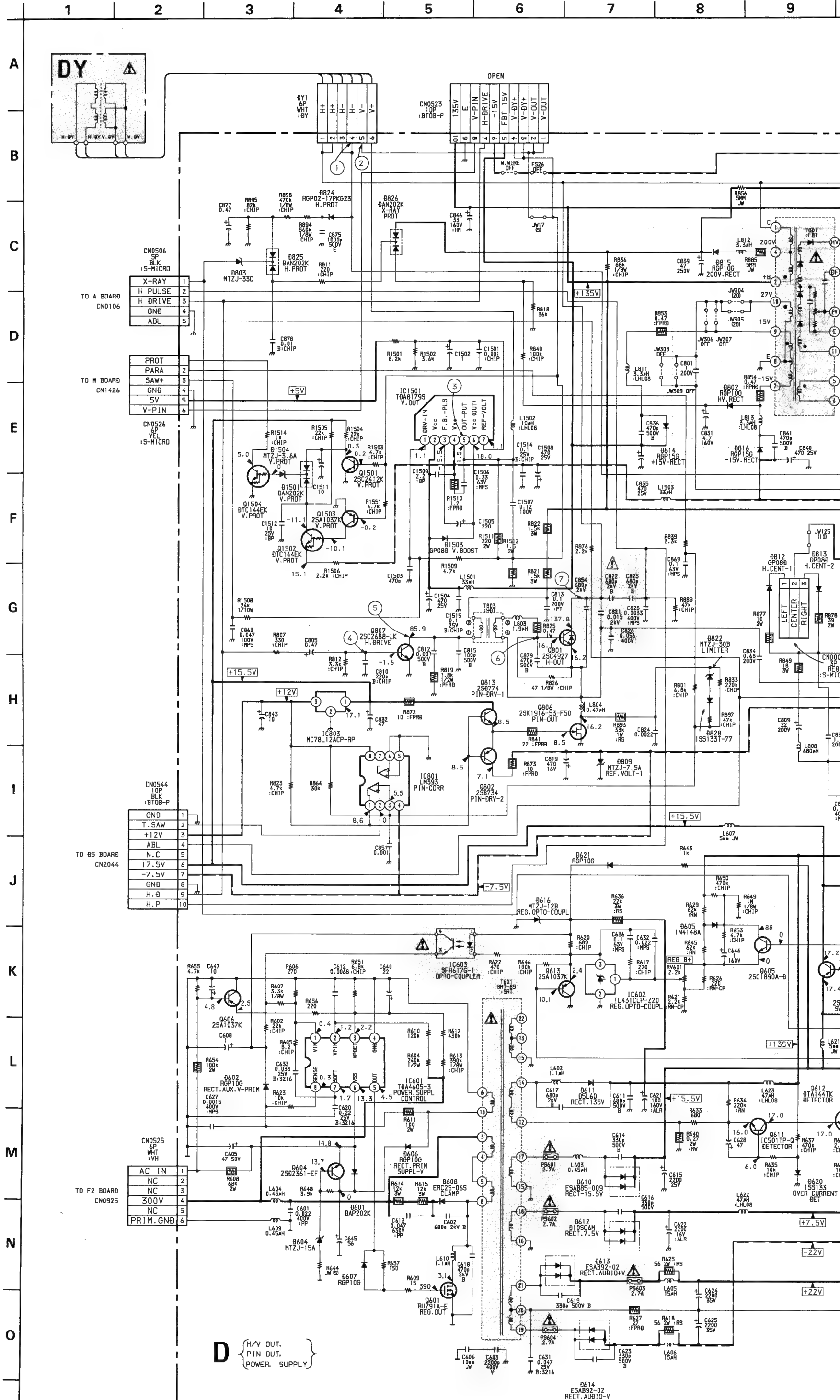
DIODE	
D001	G - 2
D2001	I - 5
D2002	J - 5
D2003	I - 6


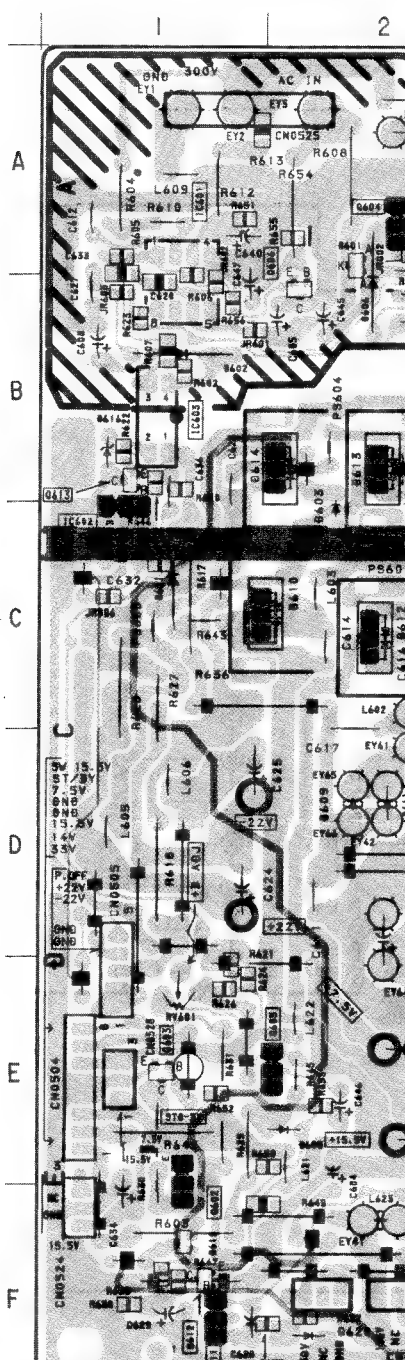
IC	
IC001	C-3
IC002	B-3, J-3
IC561	C-8
IC562	B-8
IC563	D-7, H-7
IC2001	C-4, I-4
IC2002	C-6
IC2003	B-5, J-6
IC2004	A-4, J-4

TRANSISTOR	
Q002	G-2
Q003	I-3
Q564	H-7
Q565	I-8
Q566	J-7
Q567	J-8
Q2001	I-5
Q2002	J-5
Q2003	I-6
Q2005	H-5
Q2006	K-5
Q2008	I-6

DIODE	
D001	G-2
D2001	I-5
D2002	J-5
D2003	I-6

③		0.5 Vp-p (V)
⑥		175 Vp-p (H)
⑨		19.0 Vp-p (H)





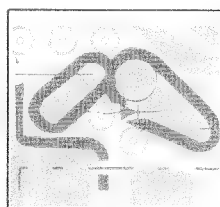
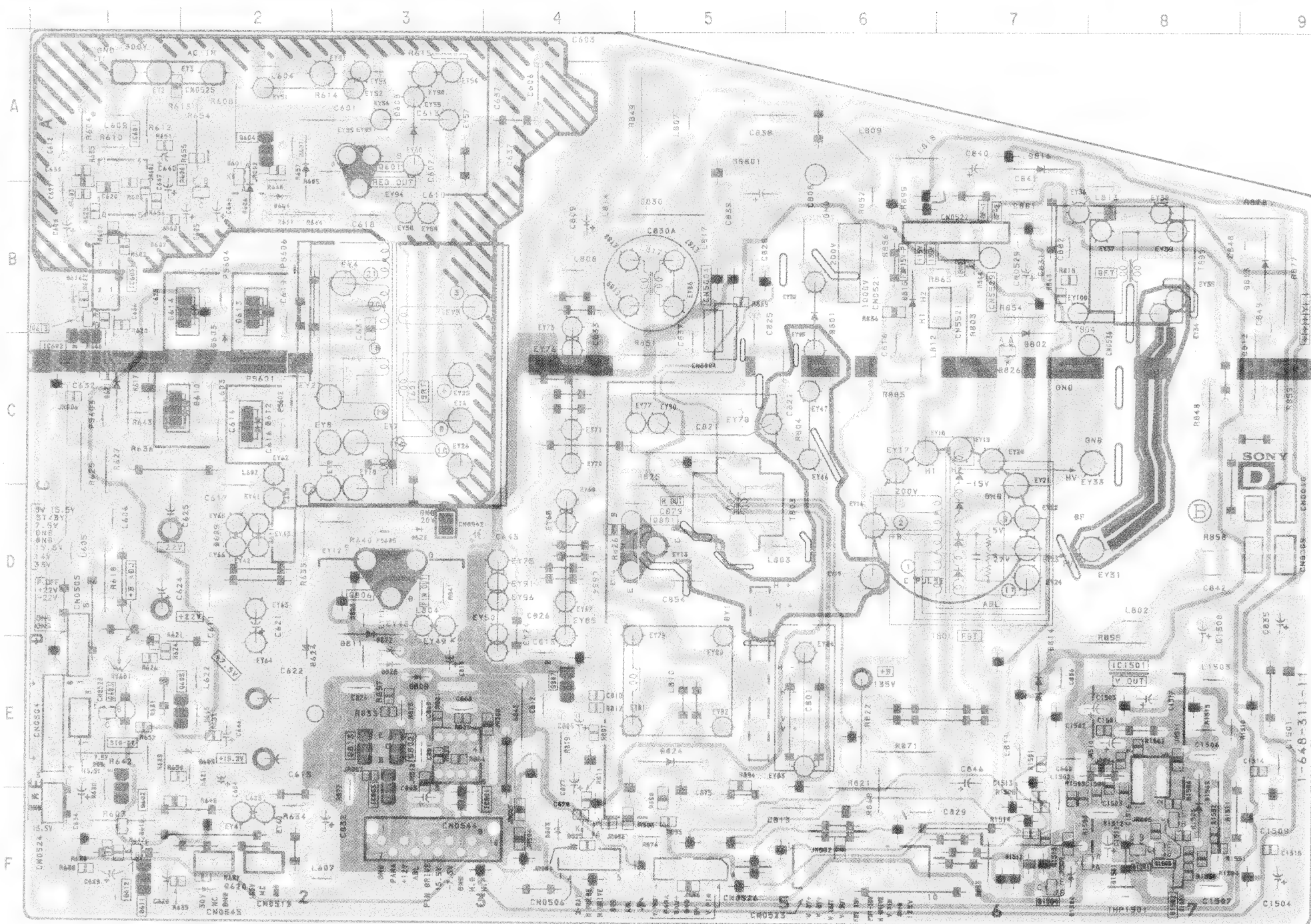
The block diagram illustrates the control system for the power supply. It includes the following components and connections:

- REFERENCE VOLTAGE TYP. 3V**: Provides a reference voltage V_{ref} to the **SUPPLY VOLTAGE MONITOR**.
- SUPPLY VOLTAGE MONITOR**: Receives feedback signals V_{61n} , V_{6A} , V_{6E} , and V_{6MAX} from the output filter. It outputs a control signal to the **REGULATING & OVERLOAD AMPLIFIER**.
- CURRENT SOURCE**: Receives a reference signal from the **REGULATING & OVERLOAD AMPLIFIER** and provides current to the power MOSFET.
- REGULATING & OVERLOAD AMPLIFIER**: Receives the control signal from the **SUPPLY VOLTAGE MONITOR** and the **OVERLOAD POINT CORRECTION** block. It outputs a control signal V_R to the **CURRENT SOURCE** and the **LOW VOLTAGE PROTECTION** block.
- OVERLOAD POINT CORRECTION**: Receives a feedback signal from the output filter and outputs a correction signal V_V to the **LOW VOLTAGE PROTECTION** block.
- LOW VOLTAGE PROTECTION**: Receives signals V_R and V_V and provides a feedback signal to the **REGULATING & OVERLOAD AMPLIFIER**.

- D BOARD -

Note :

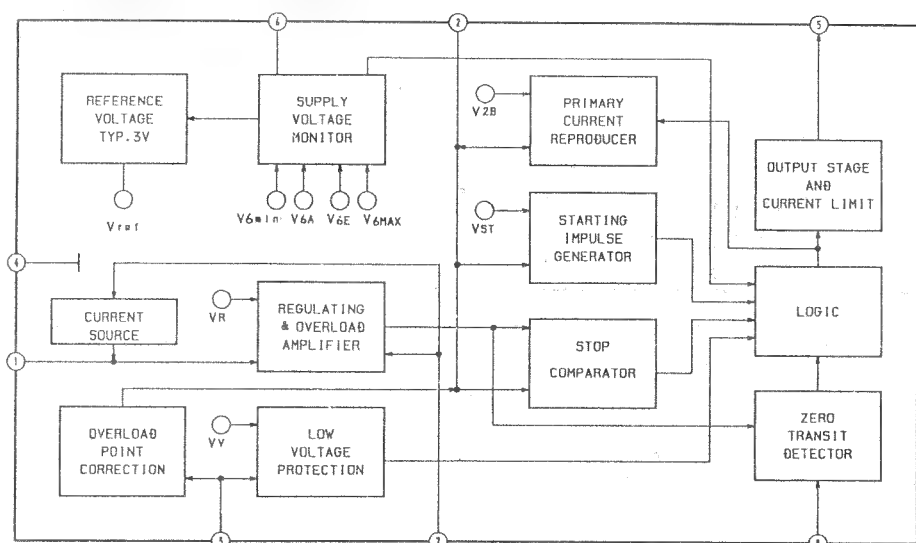
- Pattern from the side which enables seeing.
- Pattern of the rear side.



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

• D BOARD IC601 TDA4605-3



IC		D607	A-2
IC601	A-1	D608	A-3
IC602	C-1	D610	C-2
IC603	B-1	D611	D-2
IC801	E-3	D612	C-2
IC803	F-3	D613	B-2
IC1501	E-8	D614	B-2
		D616	B-1
		D619	F-1
TRANSISTOR		D620	F-2
Q601	A-3	D621	C-1
Q602	F-1	D624	E-2
Q603	E-1	D801	B-6
Q604	A-2	D802	B-7
Q605	E-2	D803	F-4
Q606	B-2	D809	E-3
Q611	F-1	D811	D-3
Q612	F-1	D812	C-9
Q613	B-1	D813	B-9
Q801	D-5	D814	E-7
Q802	E-3	D815	B-6
Q806	D-3	D816	A-7
Q807	E-4	D822	E-3
Q813	E-3	D824	E-5
Q1501	F-8	D825	F-4
Q1502	F-8	D826	C-7
Q1503	F-8	D828	E-3
Q1504	F-7	D1501	F-8
		D1503	F-8
		D1504	F-7
DIODE		VARIABLE RESISTOR	
D601	A-2		
D602	B-1	RV601	E-1
D604	B-2		
D605	E-2		
D606	B-2		

Schematic diagrams

Schematic diagrams

boards

A

B

C

D

E

F

G

H

I

J

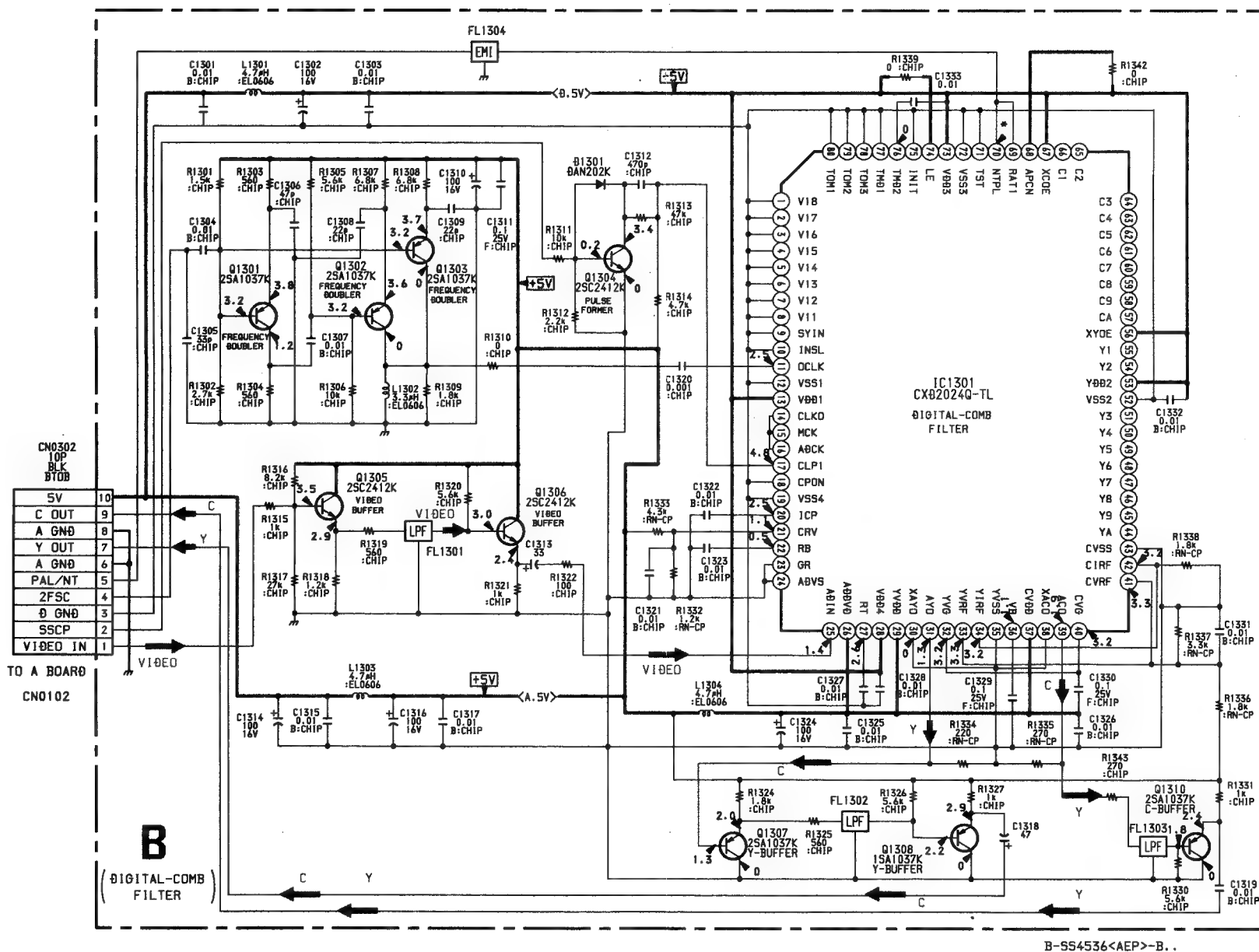
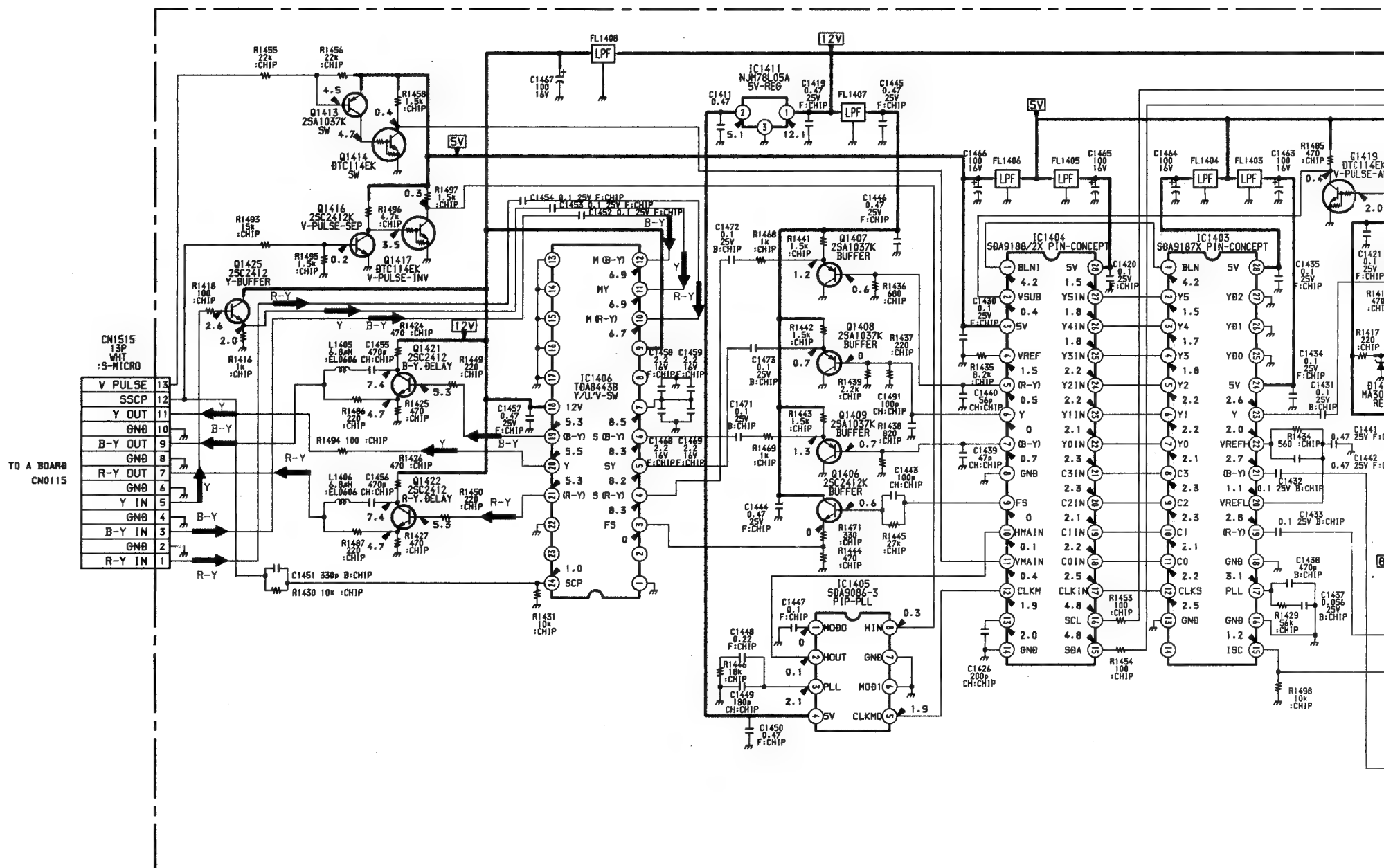
K

L

M

N

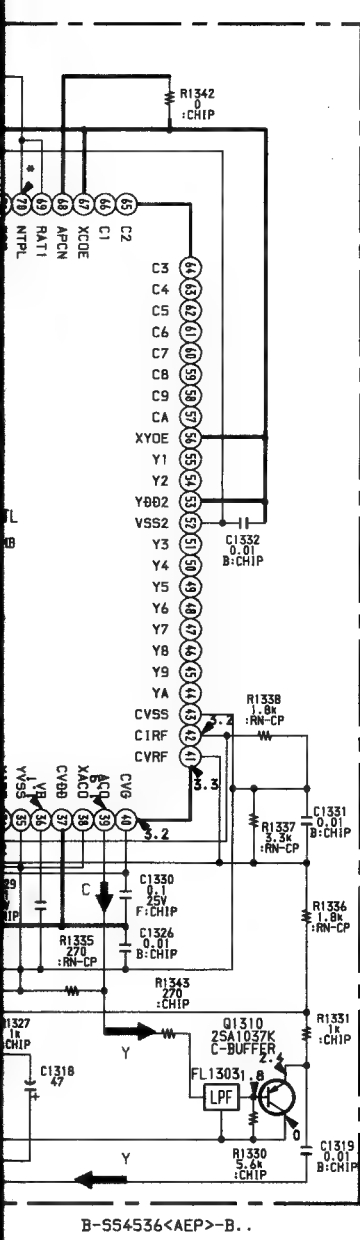
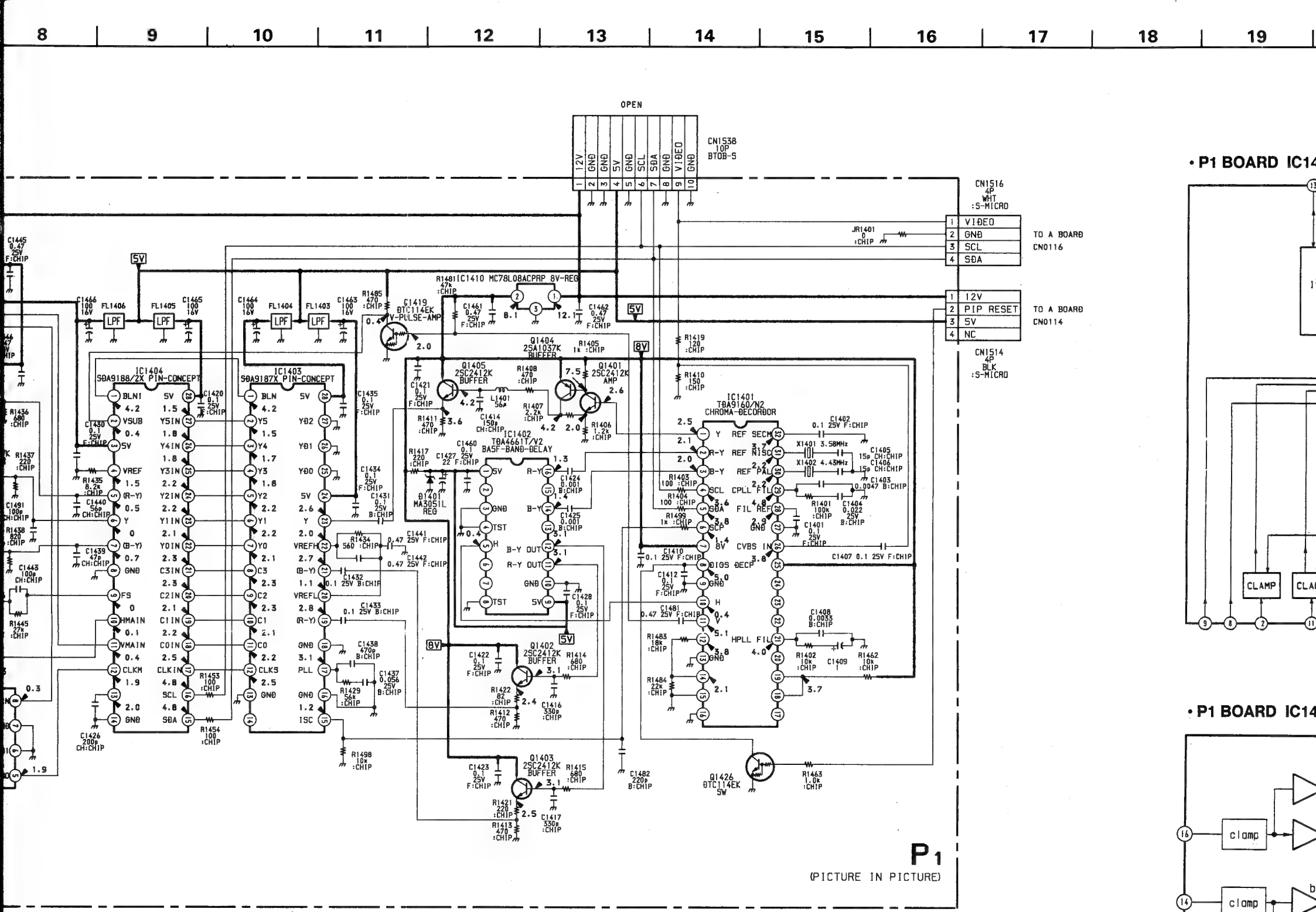
O



As to the voltage v
the mark * on the
Diagram, see the an

B BOARD

	PAL
IC1301	5.5
IC1302	5.5

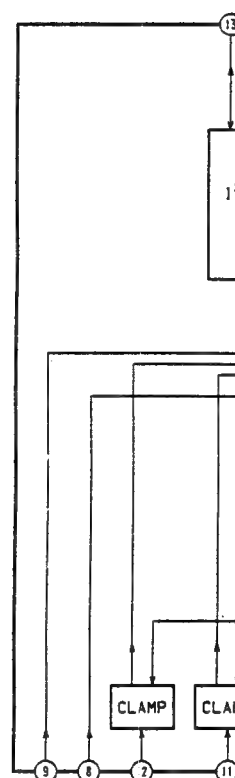


As to the voltage value shown by the mark ✖ on the Schematic Diagram, see the another list.

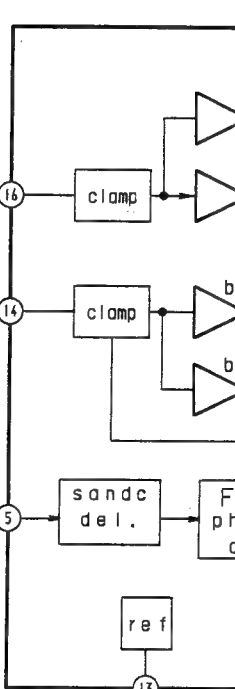
B BOARD

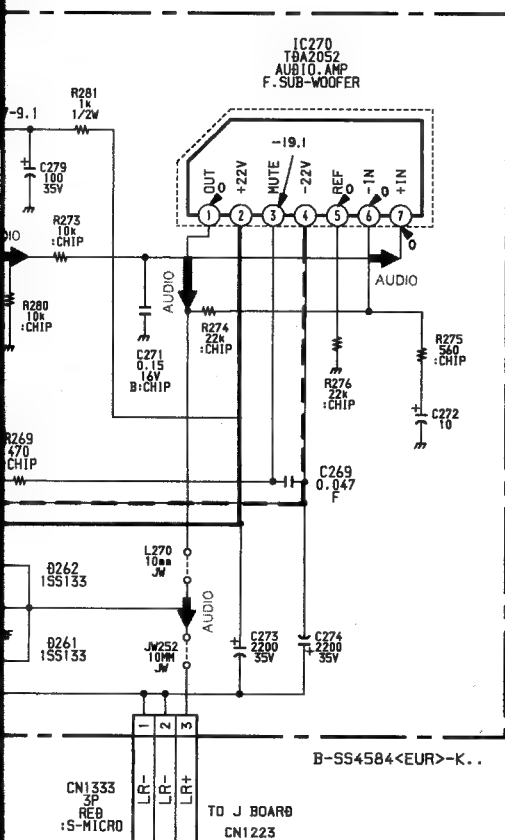
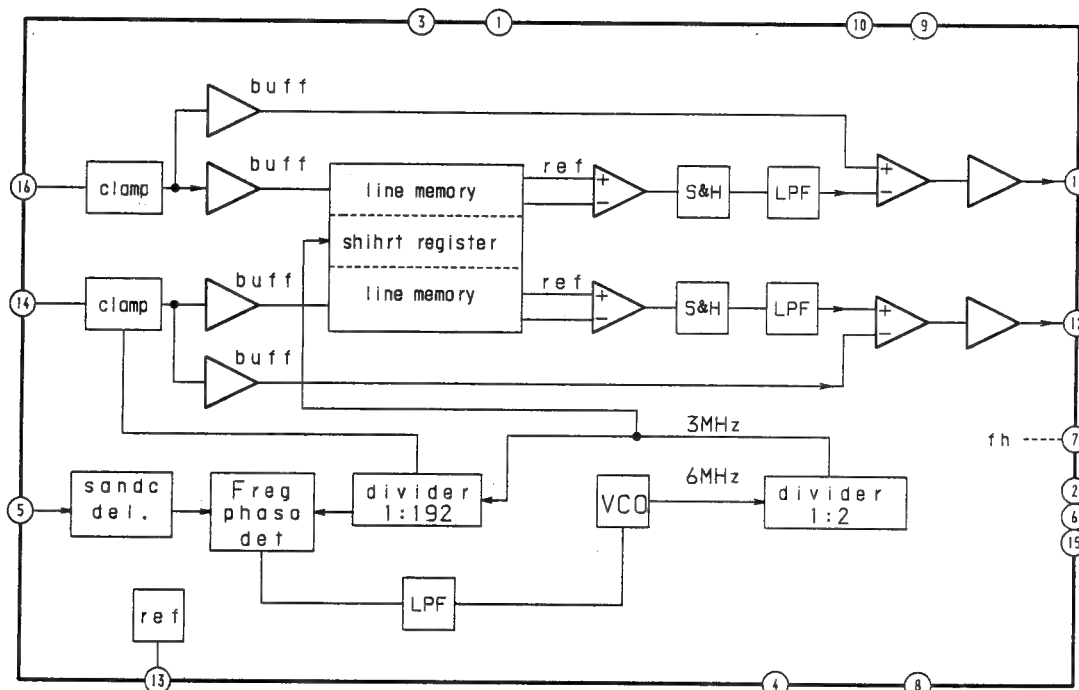
	PAL	SECAM	NTSC3.58	NTSC4.43
IC1301 ✖	5.5	5.5	0.1	0.1
⑩	5.5	5.5	0.1	0.1

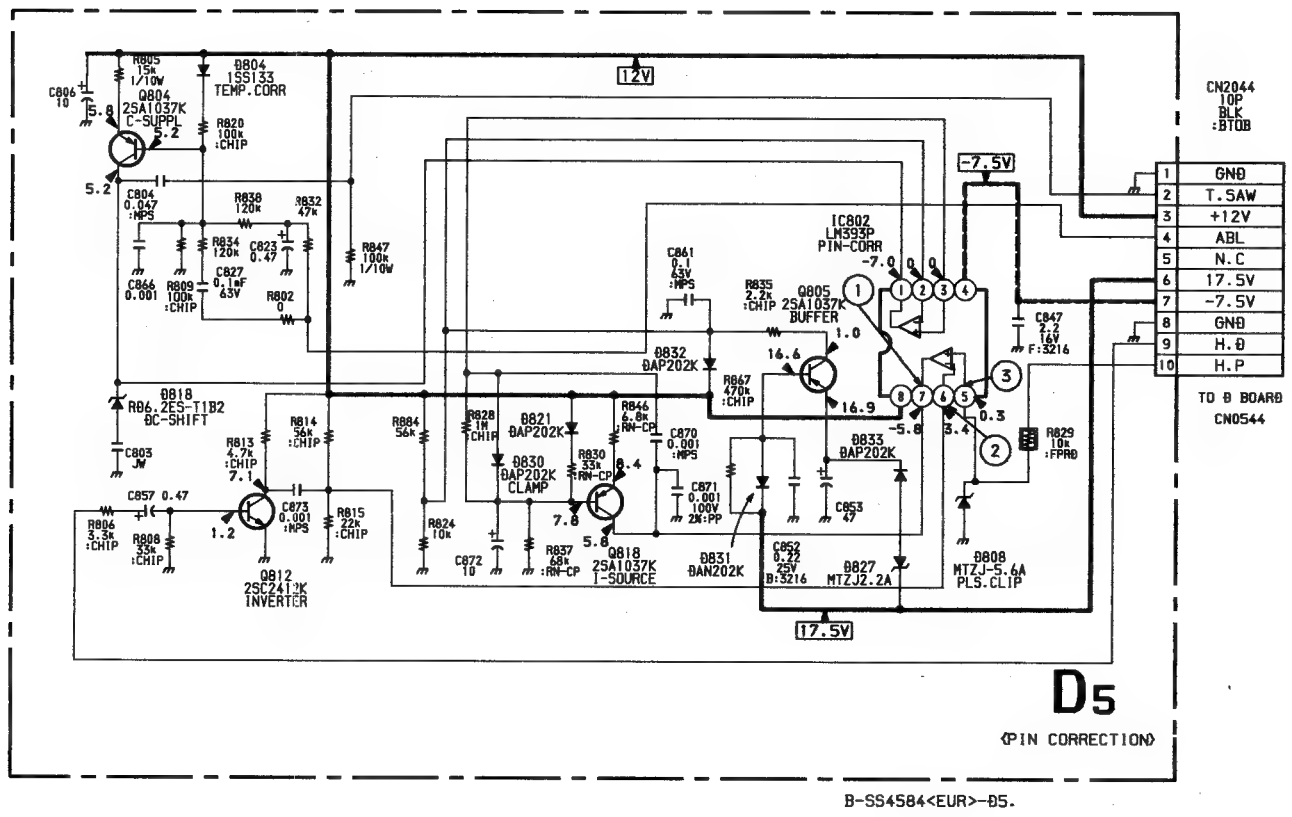
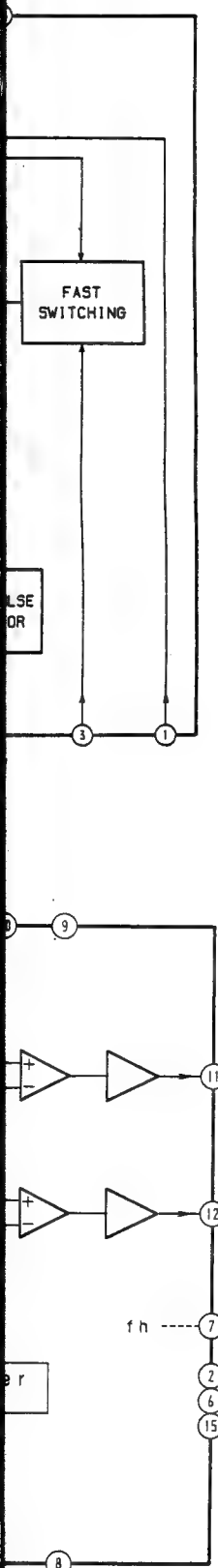
P1 BOARD IC1400



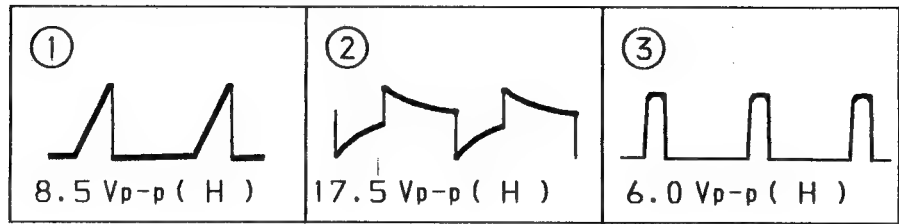
P1 BOARD IC1400







• WAVEFORMS D5 BOARD



P1

[PICTURE IN PICTURE]

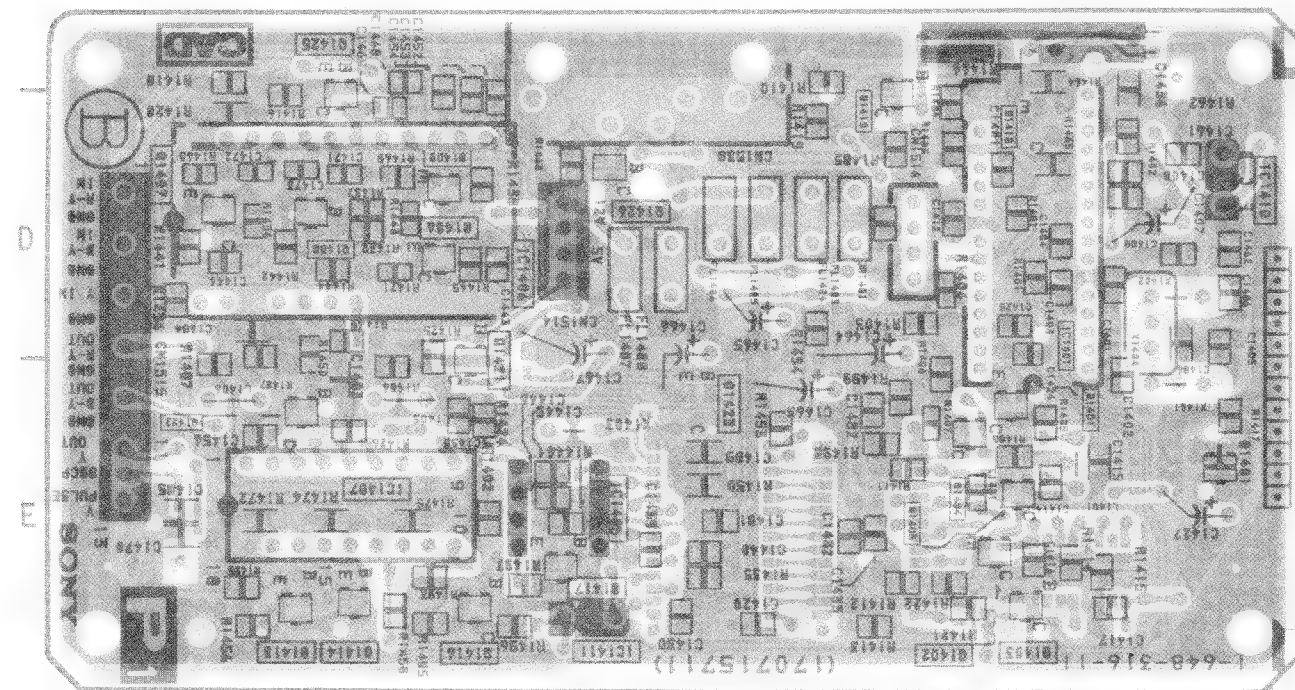
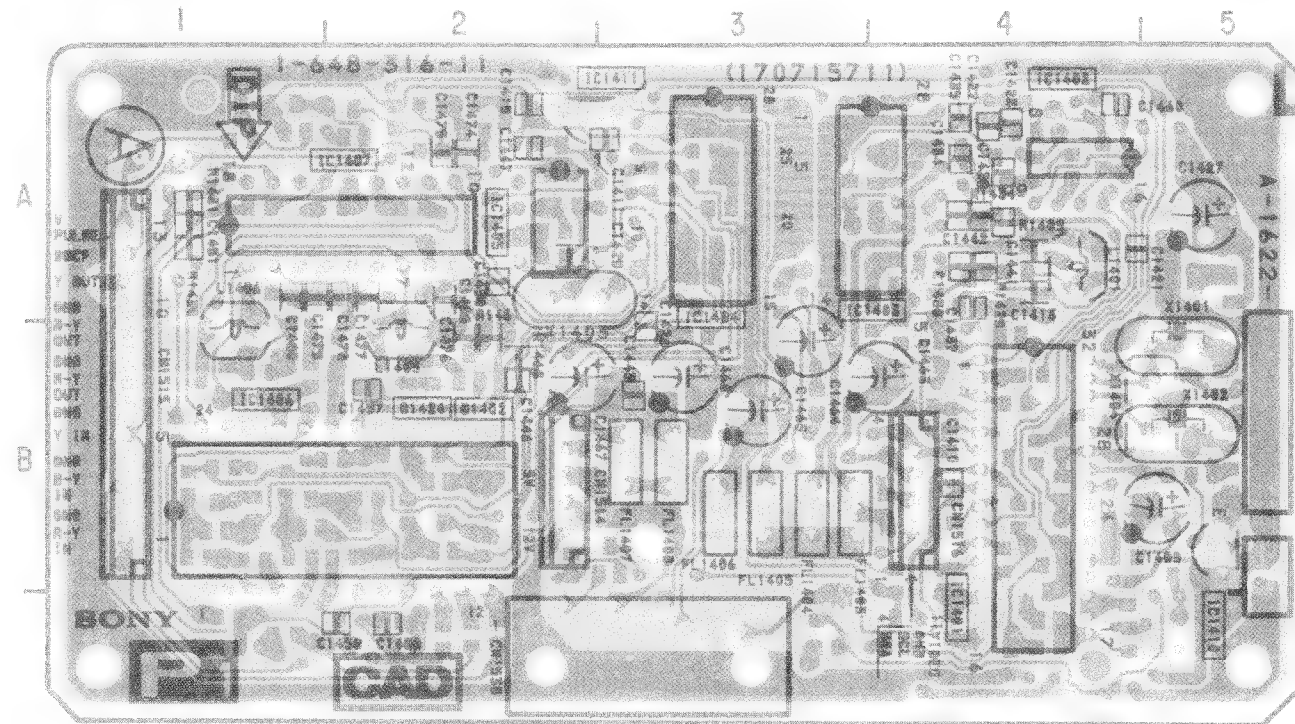
B[DIGITAL - COMB
FILTER]**D5**

[PIN CORRECTION]

K

[AUDIO AMP]

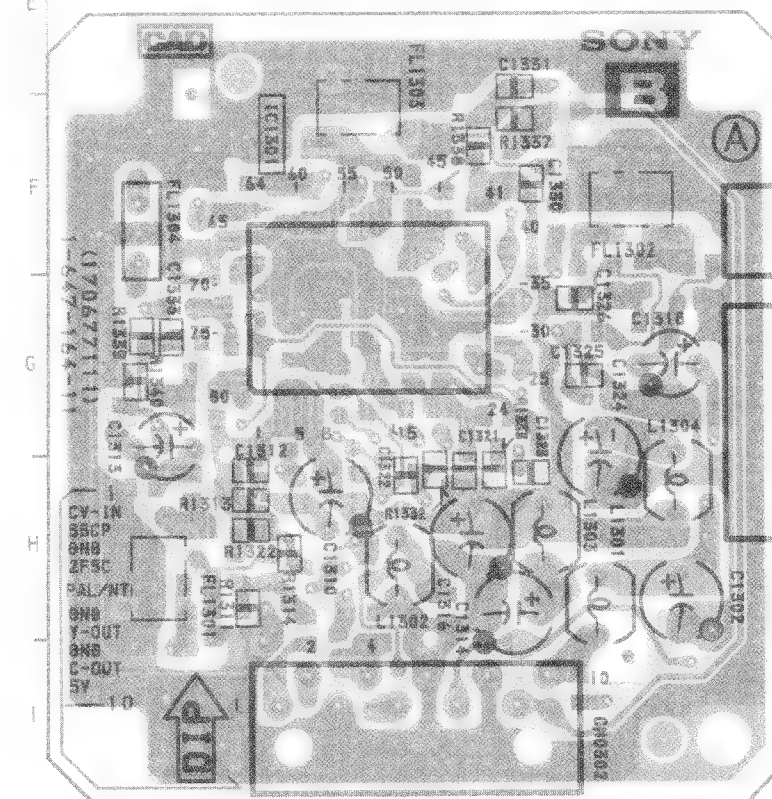
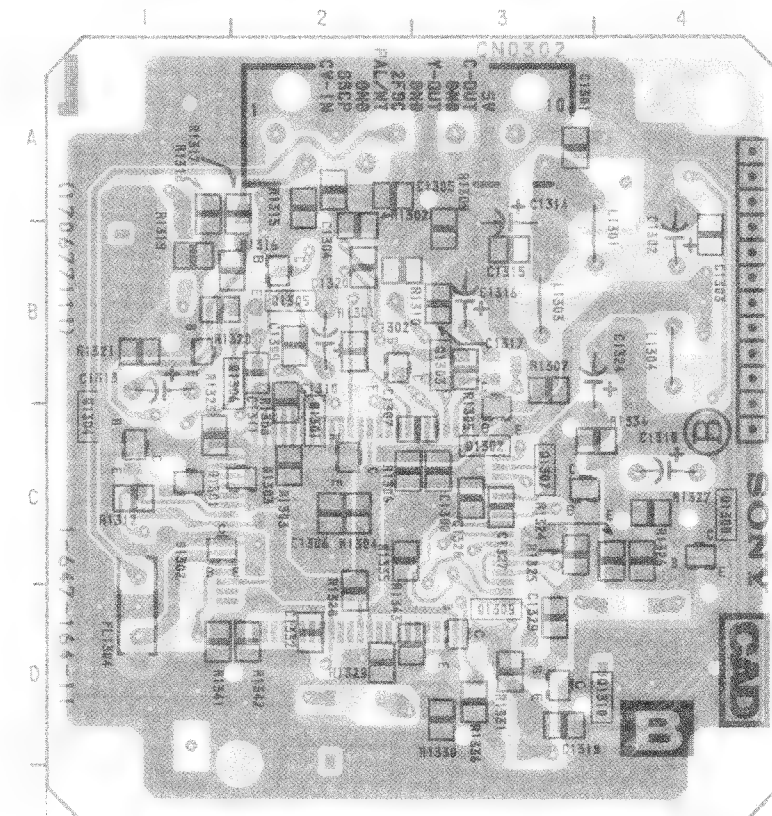
- P1 BOARD -



Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- B BOARD -



IC	
IC1301	G - 2
TRANSISTOR	
Q1301	C - 2
Q1302	B - 3
Q1303	B - 2
Q1304	C - 1
Q1305	B - 2
Q1306	B - 1
Q1307	C - 3
Q1308	C - 4
Q1310	D - 3
DIODE	
D1301	C - 1

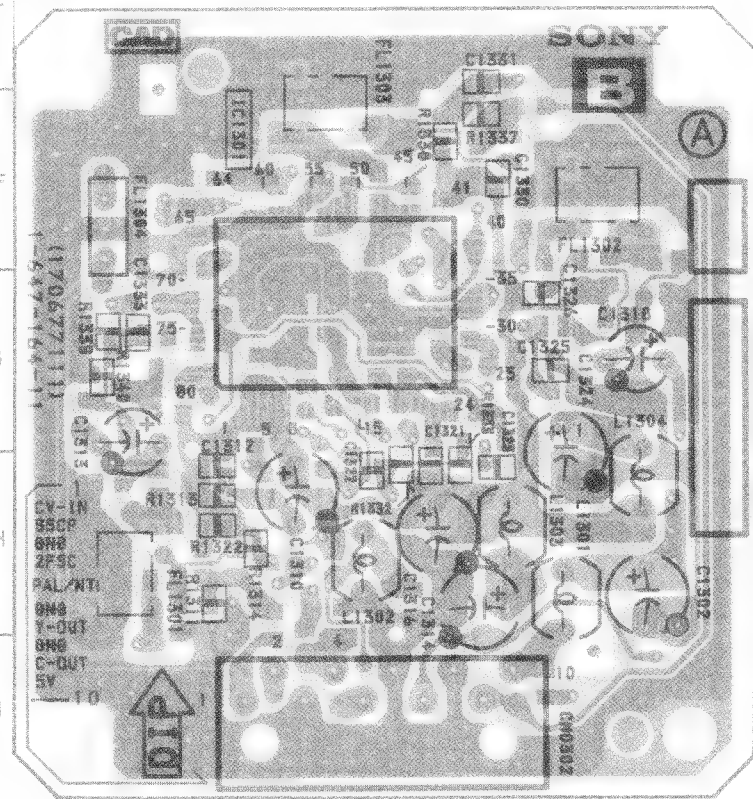
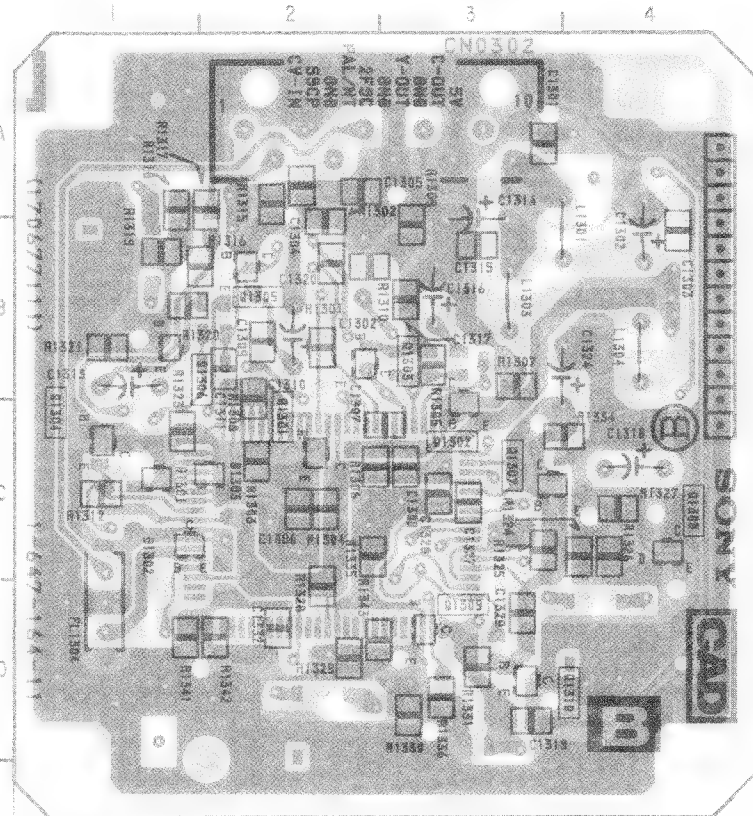
Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

K [AUDIO AMP]

- B BOARD -

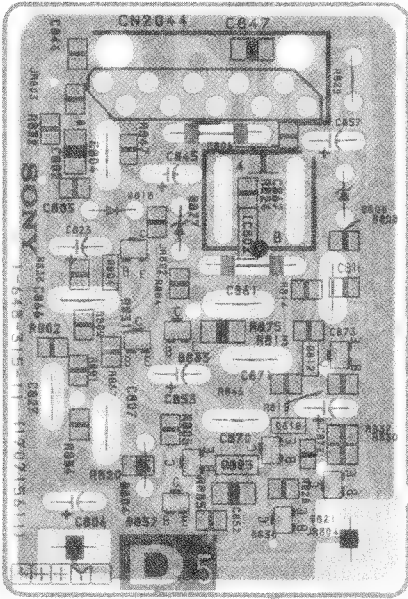
IC	
IC1401	B - 4, D - 4
IC1402	A - 4
IC1403	A - 3
IC1404	A - 3
IC1405	A - 2, E - 2
IC1406	B - 1, D - 2
IC1410	B - 5, D - 5
IC1411	A - 2, E - 2
TRANSISTOR	
Q1401	E - 4
Q1402	E - 4
Q1403	E - 4
Q1404	E - 4
Q1405	E - 4
Q1406	D - 2
Q1407	D - 1
Q1408	D - 1
Q1409	D - 2
Q1413	E - 1
Q1414	E - 2
Q1416	E - 2
Q1417	E - 2
Q1419	D - 4
Q1421	E - 2
Q1422	E - 1
Q1425	D - 2
Q1426	D - 3
DIODE	
D1401	E - 5



IC	
IC1301	G - 2
TRANSISTOR	
Q1301	C - 2
Q1302	B - 3
Q1303	B - 2
Q1304	C - 1
Q1305	B - 2
Q1306	B - 1
Q1307	C - 3
Q1308	C - 4
Q1310	D - 3
DIODE	
D1301	C - 1

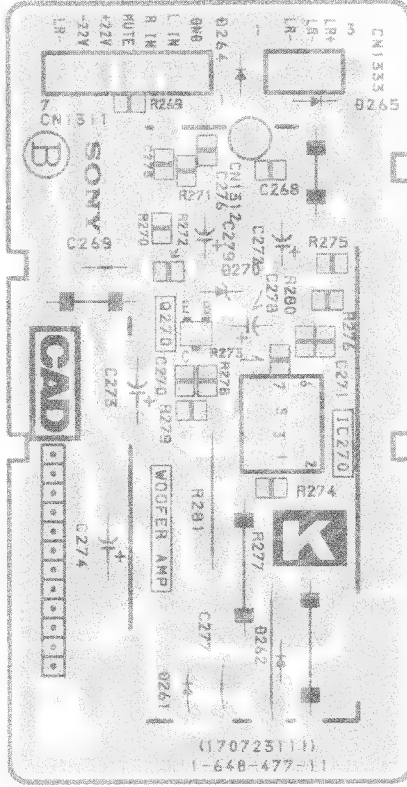
Note :
• [Pattern from the side which enables seeing.]
• [Pattern of the rear side.]

- D5 BOARD -



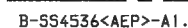
Note :
• [Pattern from the side which enables seeing.]
• [Pattern of the rear side.]

- K BOARD -

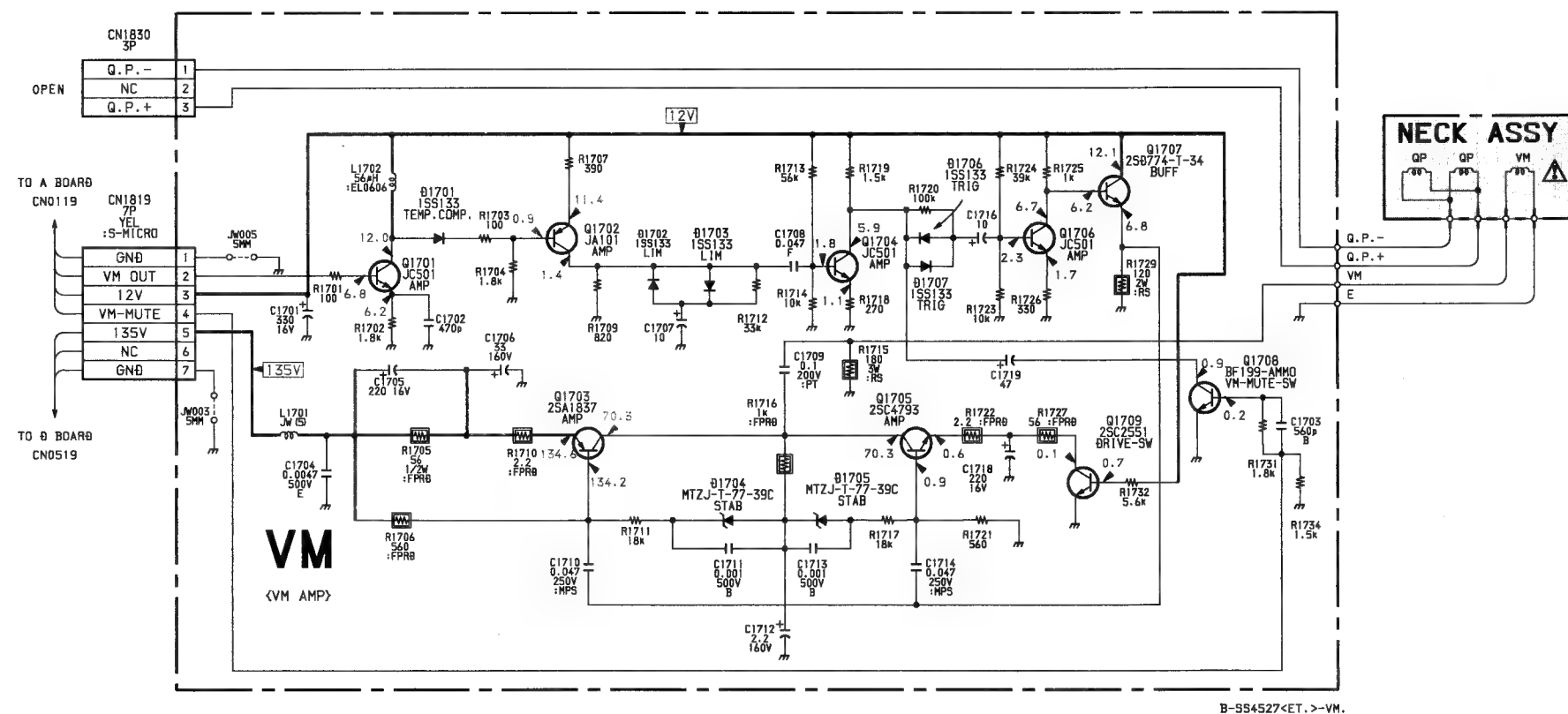
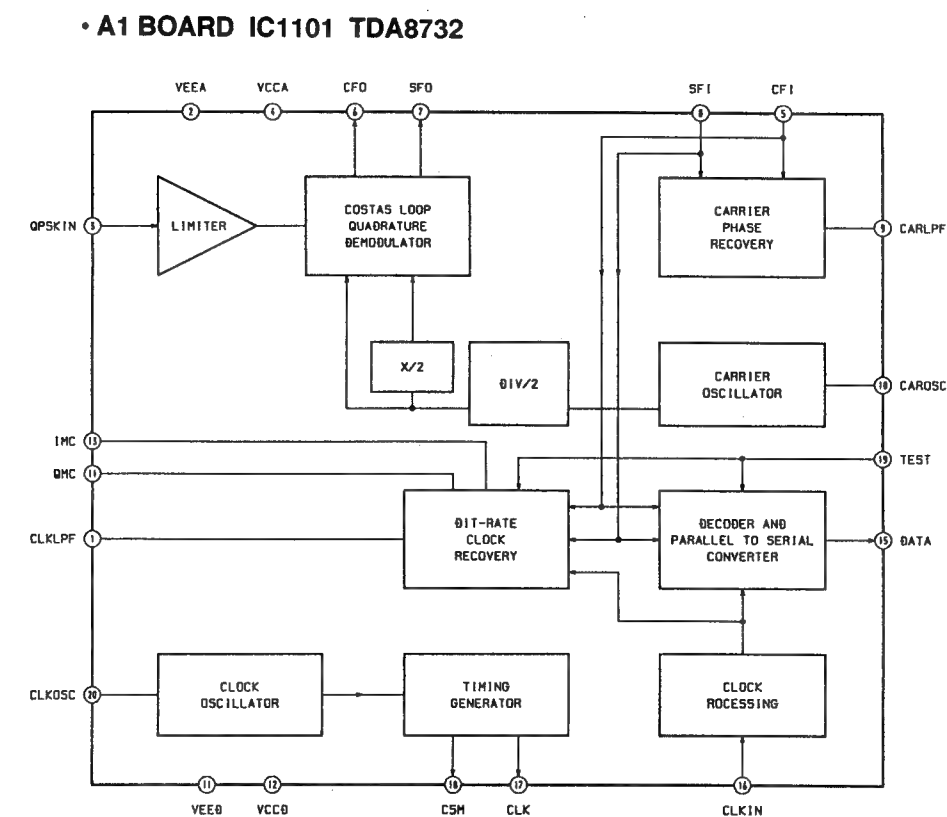


BP110
C115
CF110
CF110
L110
JR110
X110



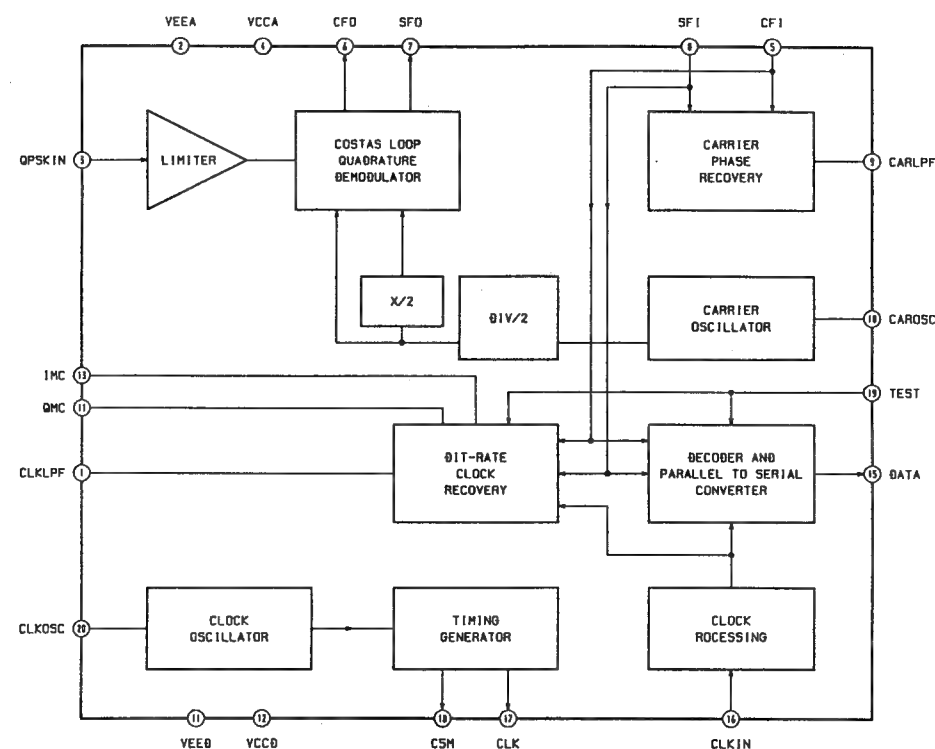


Model	Spanish	UK
BP1101	5.850MHz	6.552MHz
C1159	—	47PF/50V
CF1101	—	6.0MHz
CF1102	5.5MHz	—
L1105	—	1MMH
JR1101	0 1/8W	—
X1102	11.700MHz	13.104MHz

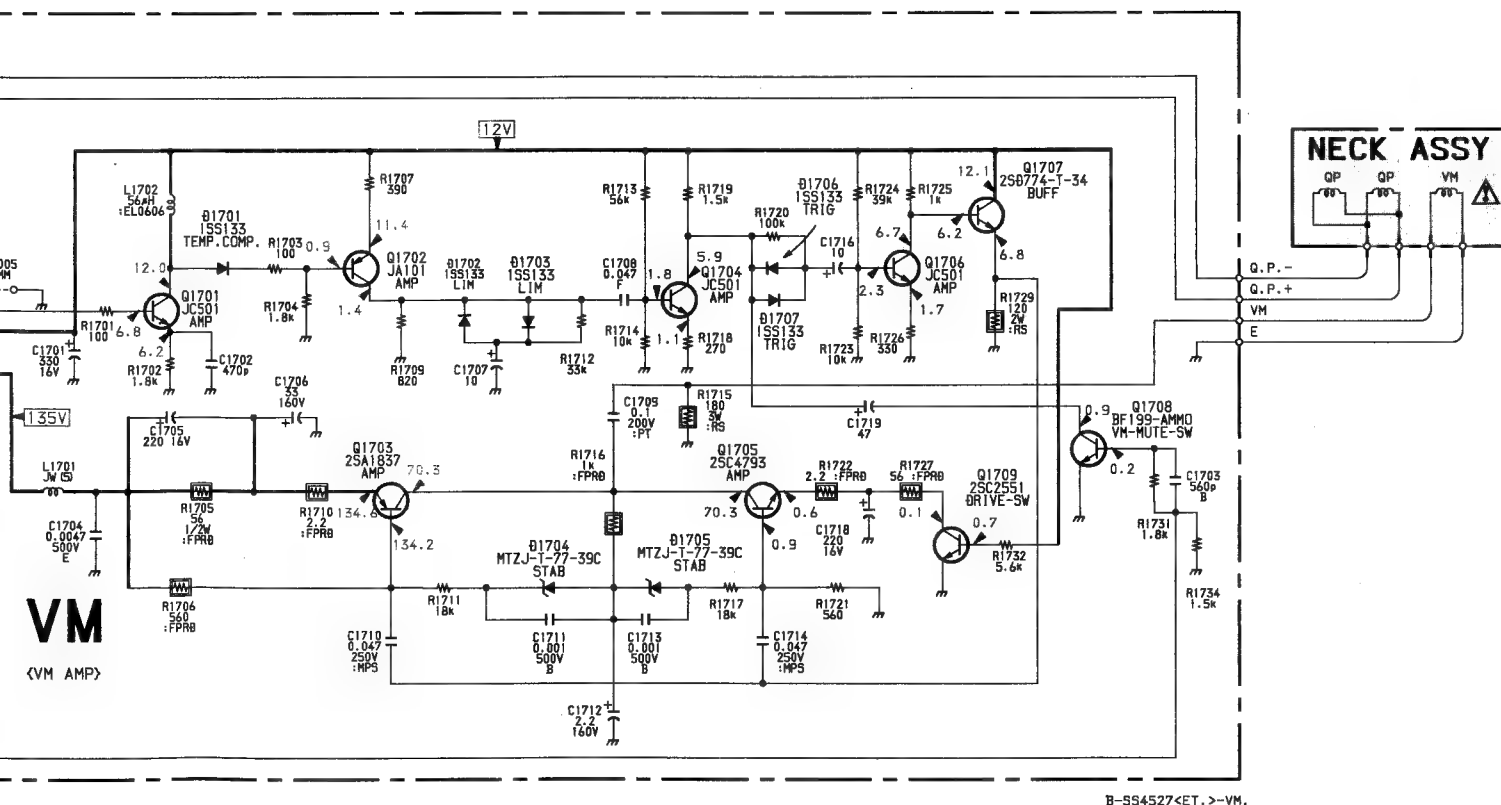


B-SS4527<ET.>-VM.

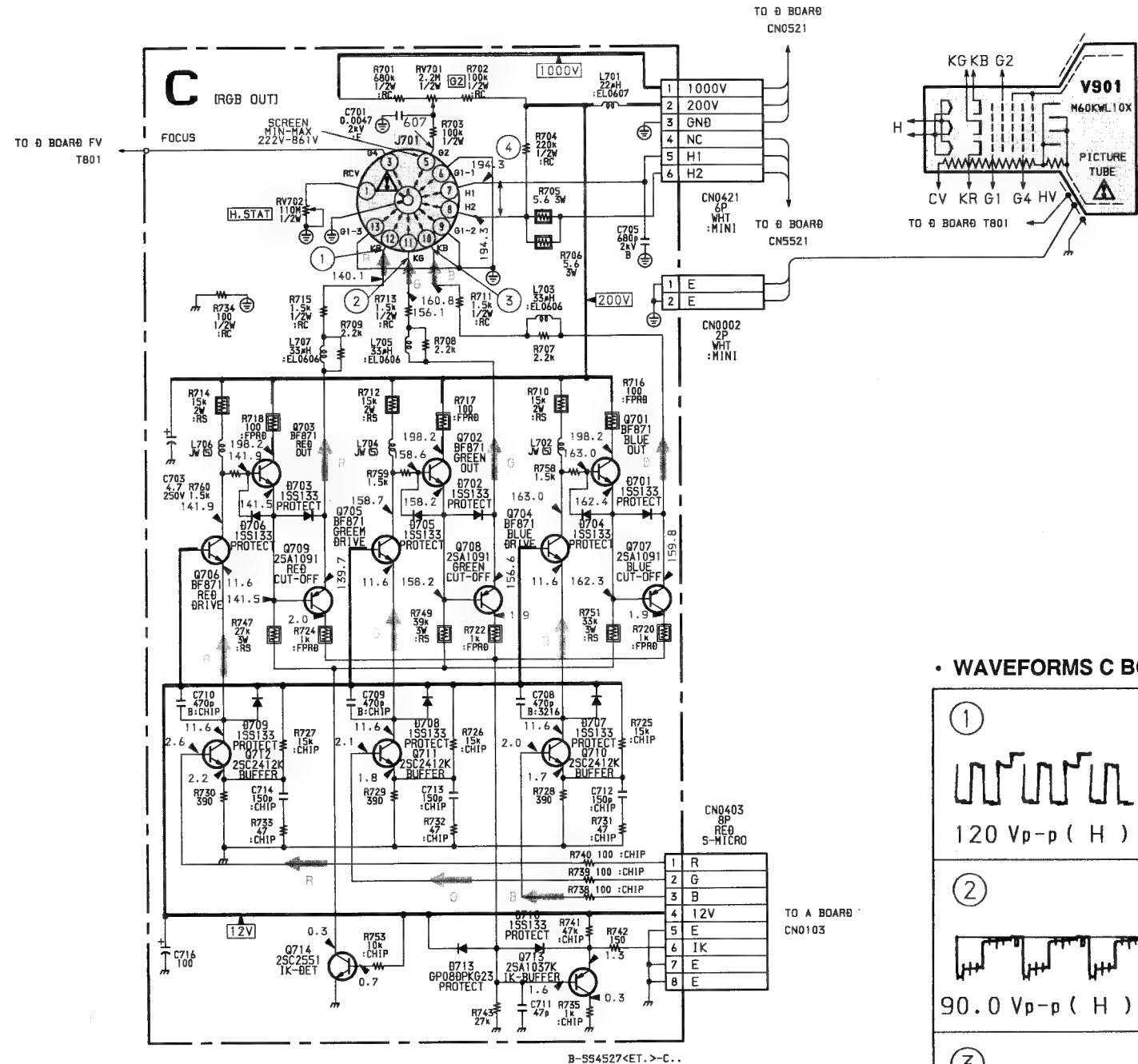
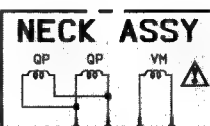
• A1 BOARD IC1101 TDA8732



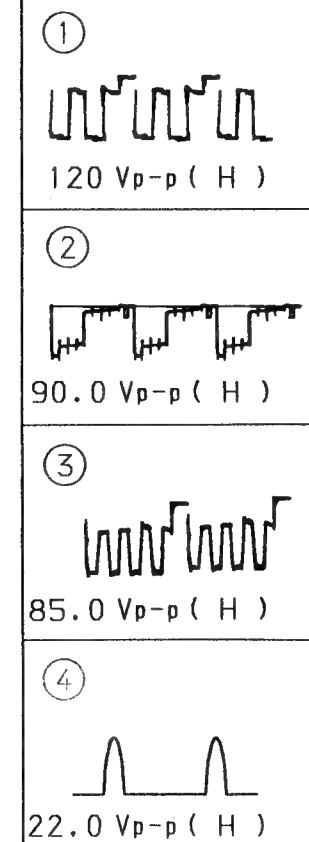
UK
6.552MHz
47PF/50V
6.0MHz
1MMH
13.104MHz



B-SS4527<ET.>-VM.

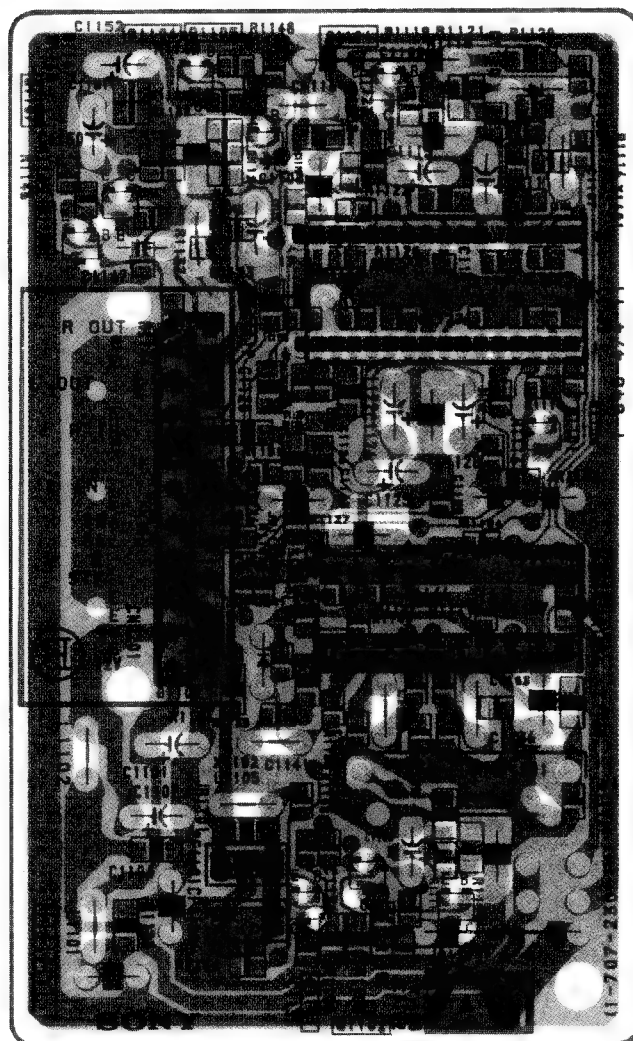


• WAVEFORMS C BOARD

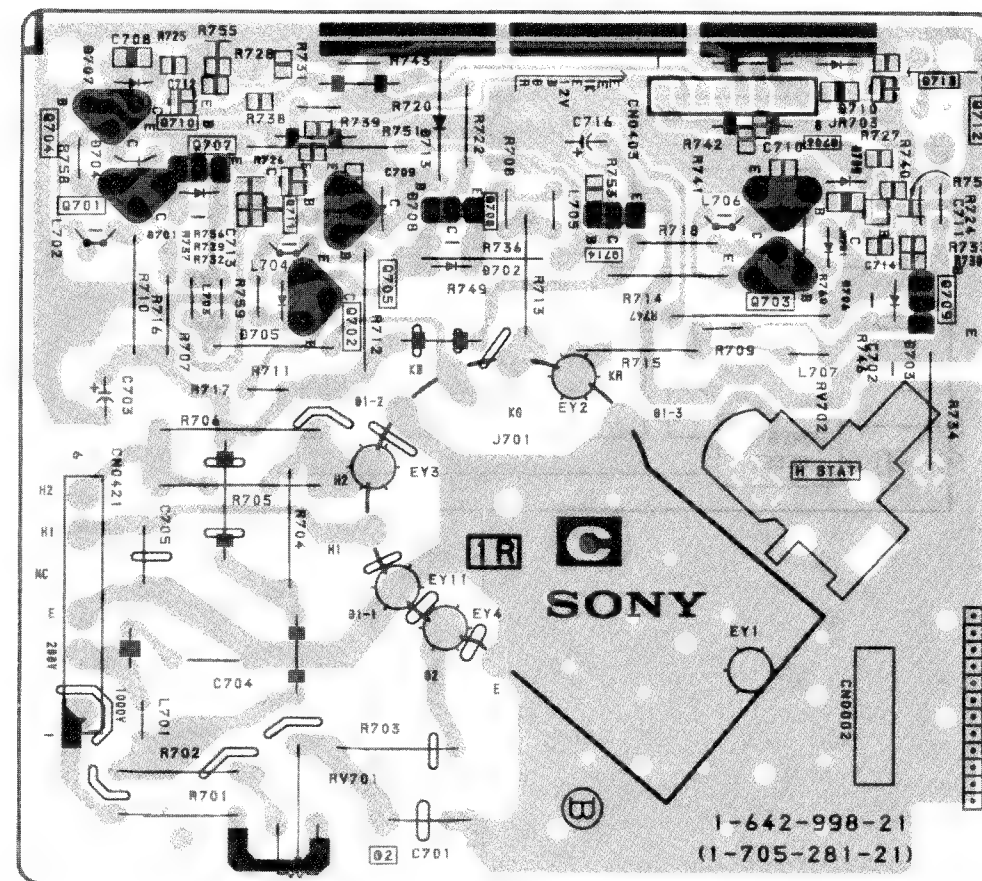


A1 [NICAM DECODER,
NICAM DEMODULATOR] **C** [R.G.B OUT] **VM** [VM AMP]

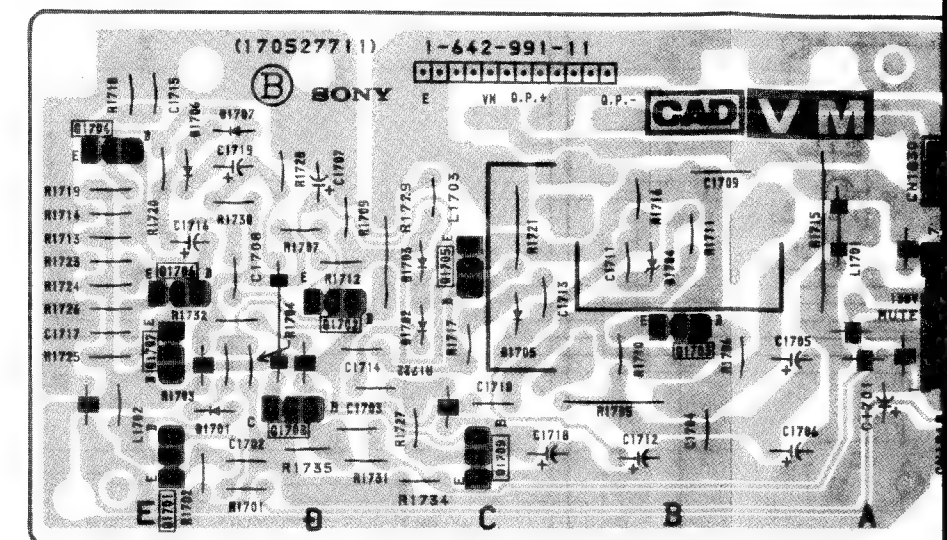
– A1 BOARD – (Spanish, UK Model only)



– C BOARD –



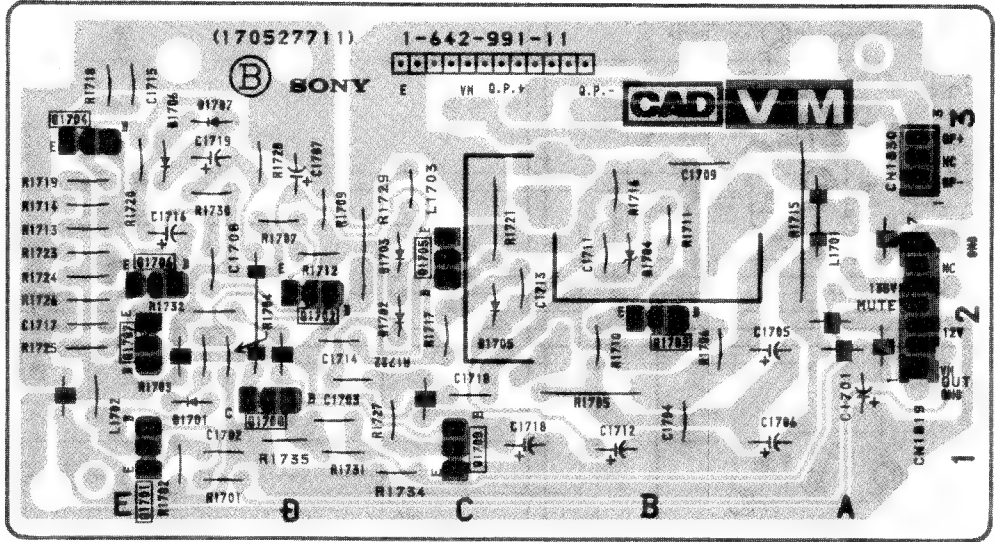
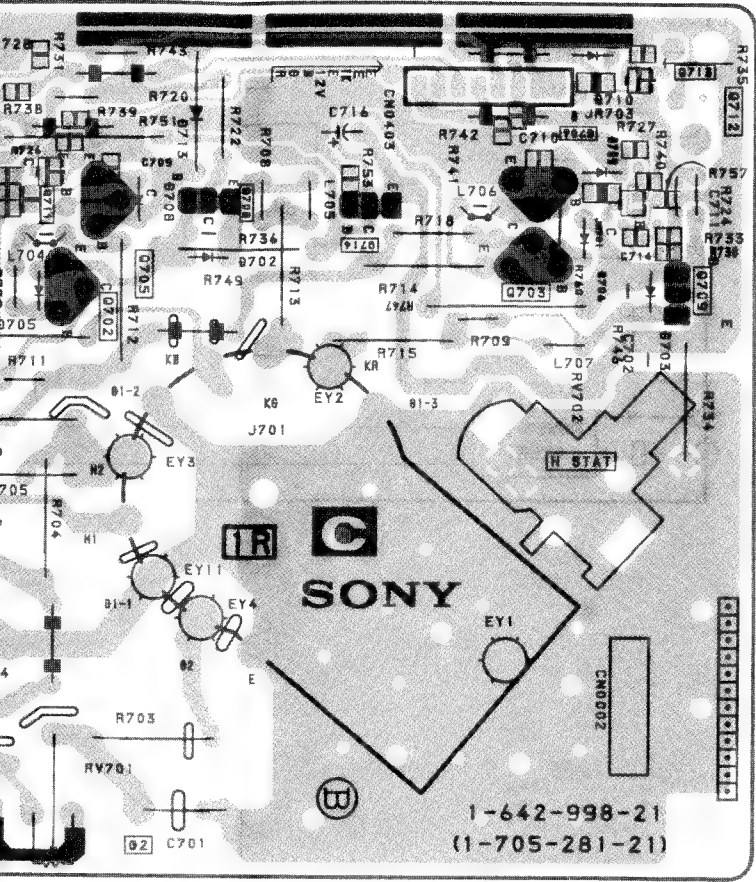
– VM BOARD –



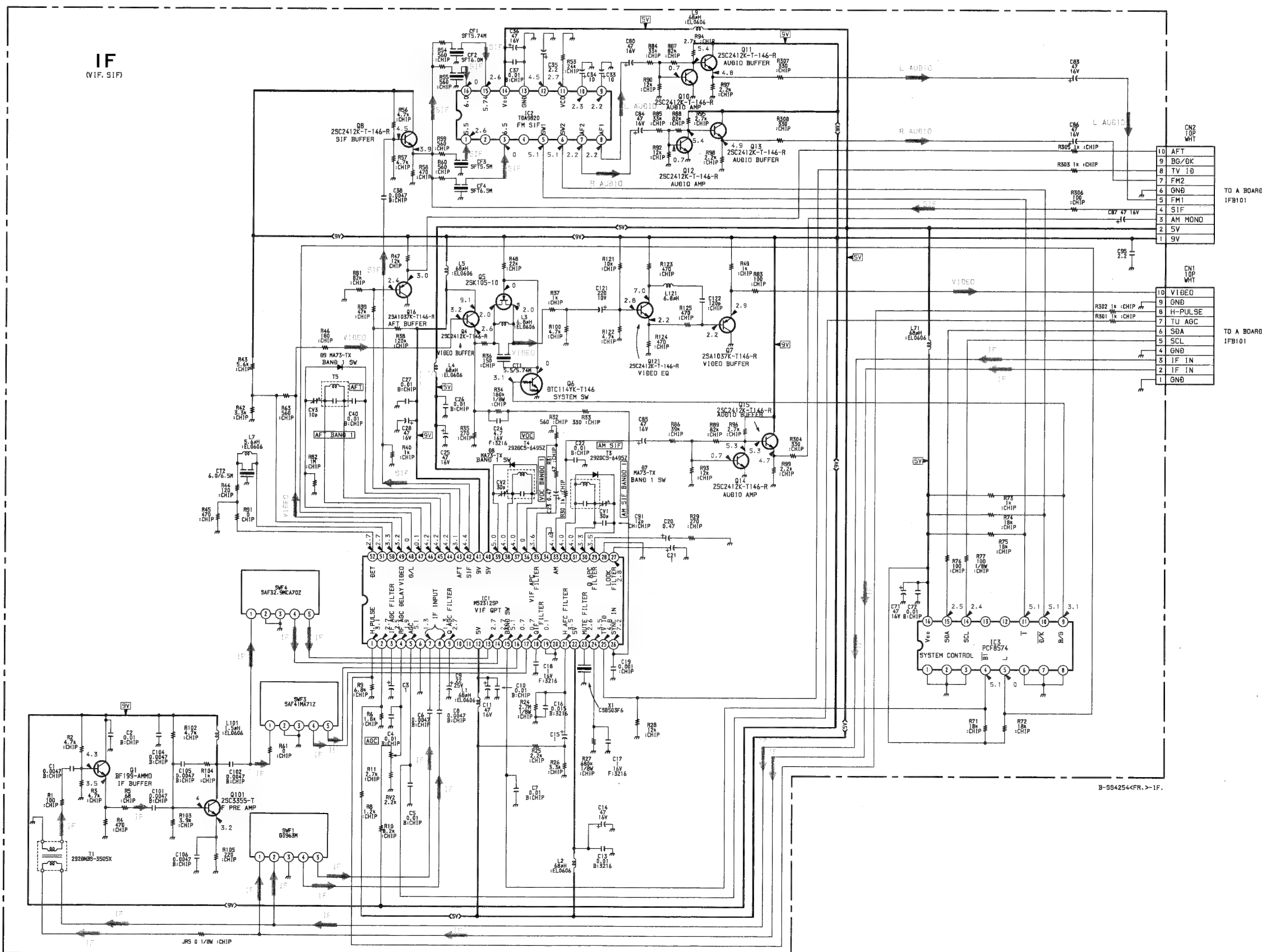
Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

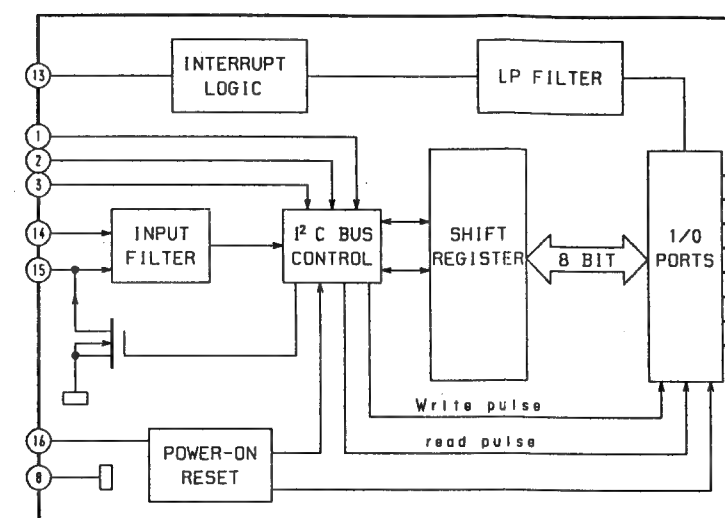
- VM BOARD -



IFH389F (French Model)



- IF BOARD IC3 PC8574 (French Model)



A1

[NICAM DECODER,
NICAM DEMODULATOR]

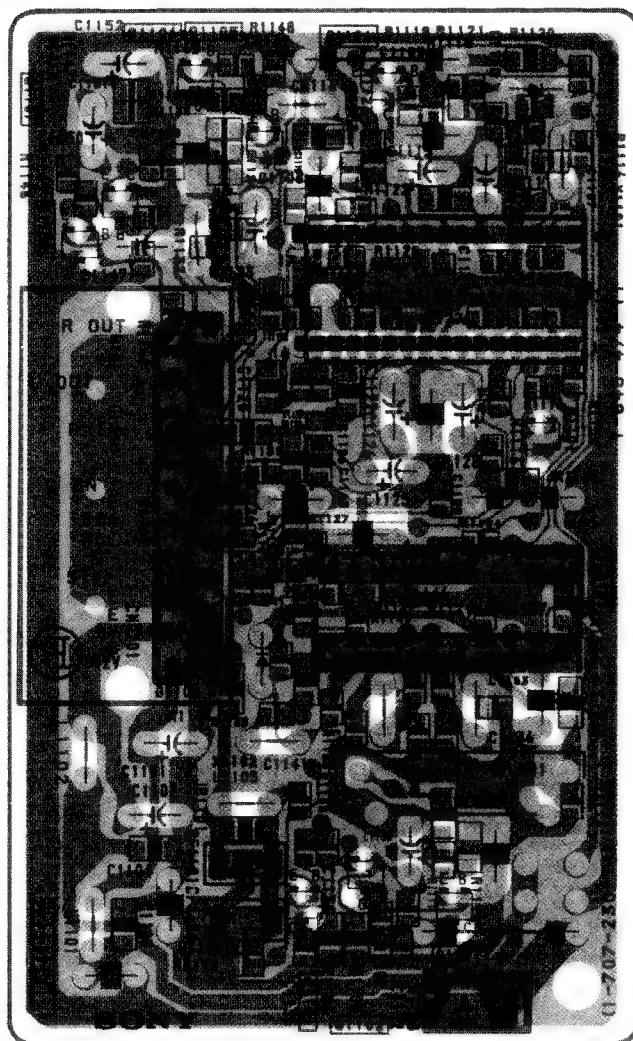
C

[R.G.B OUT]

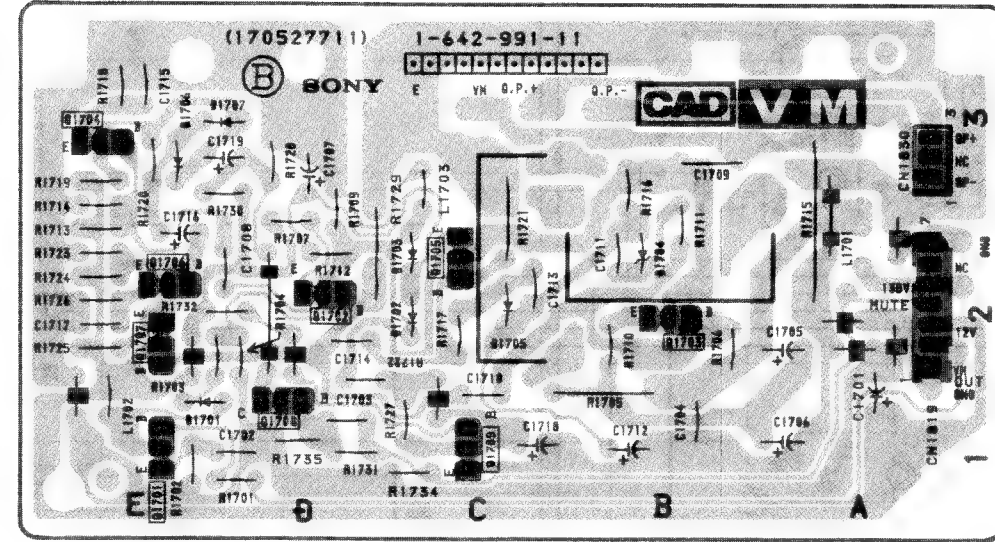
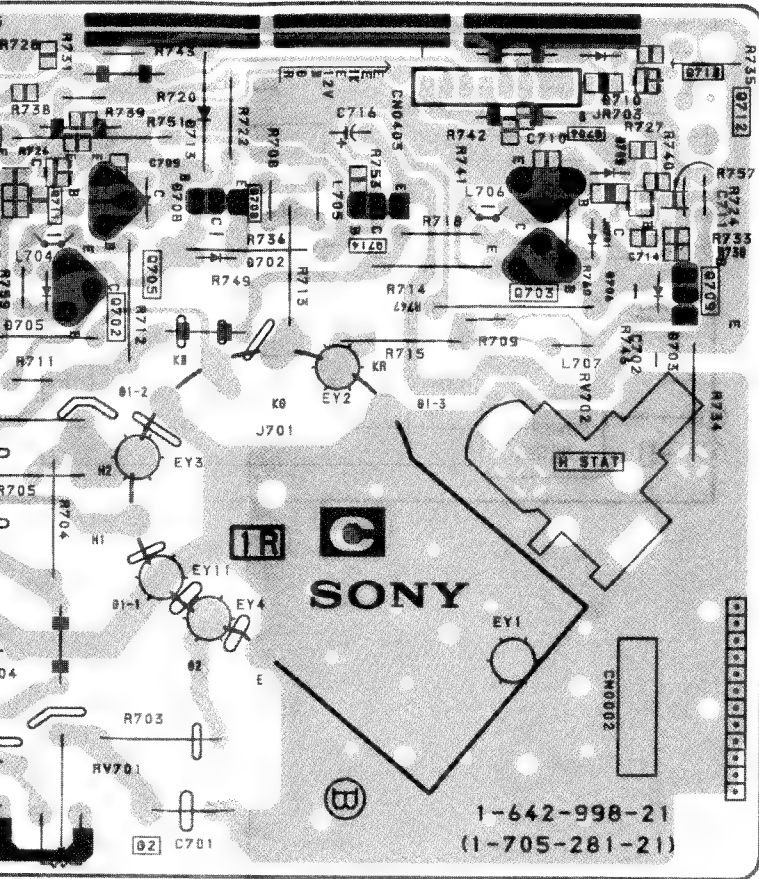
VM

[VM AMP]

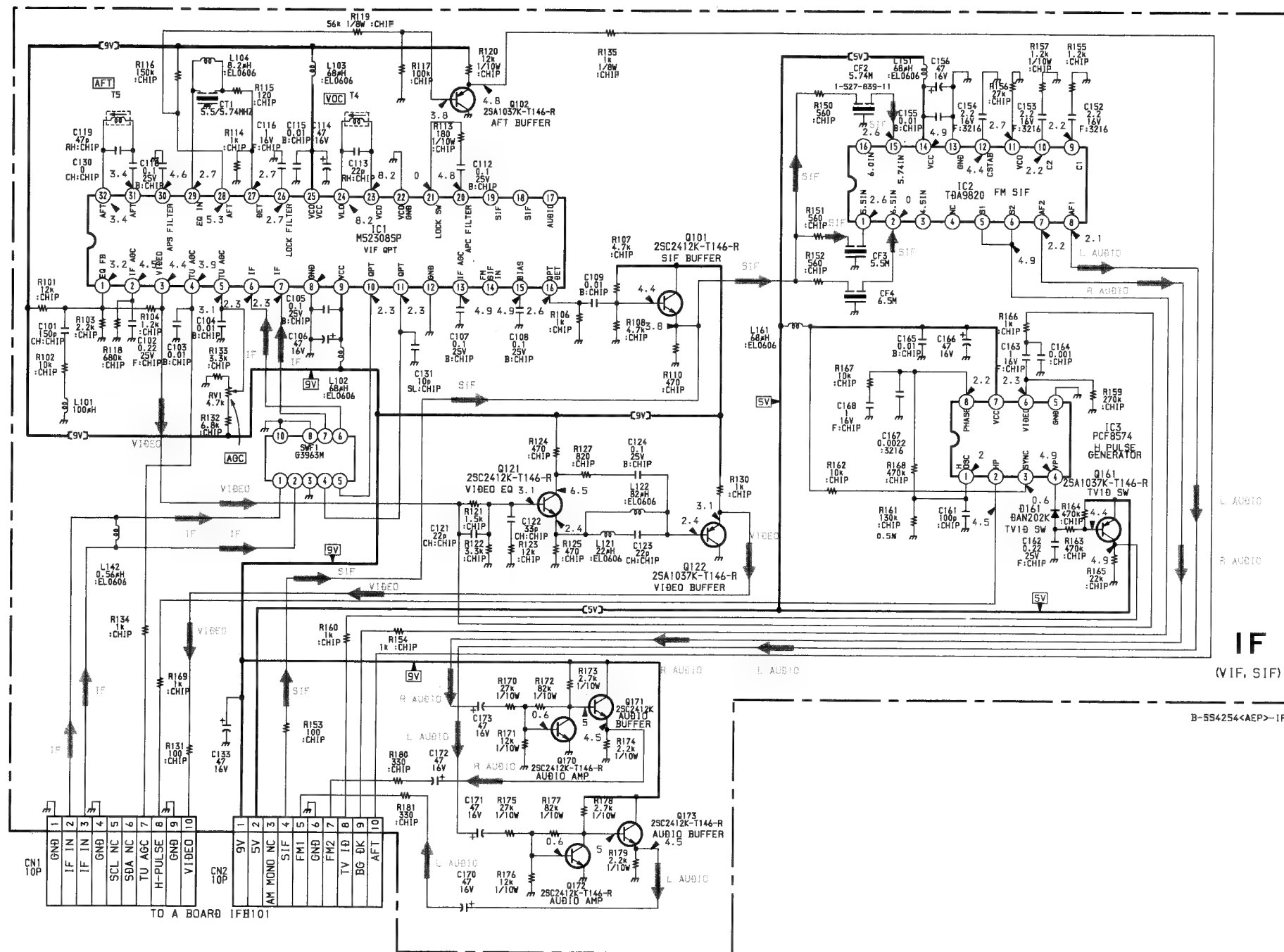
– A1 BOARD – (Spanish, UK Model only)



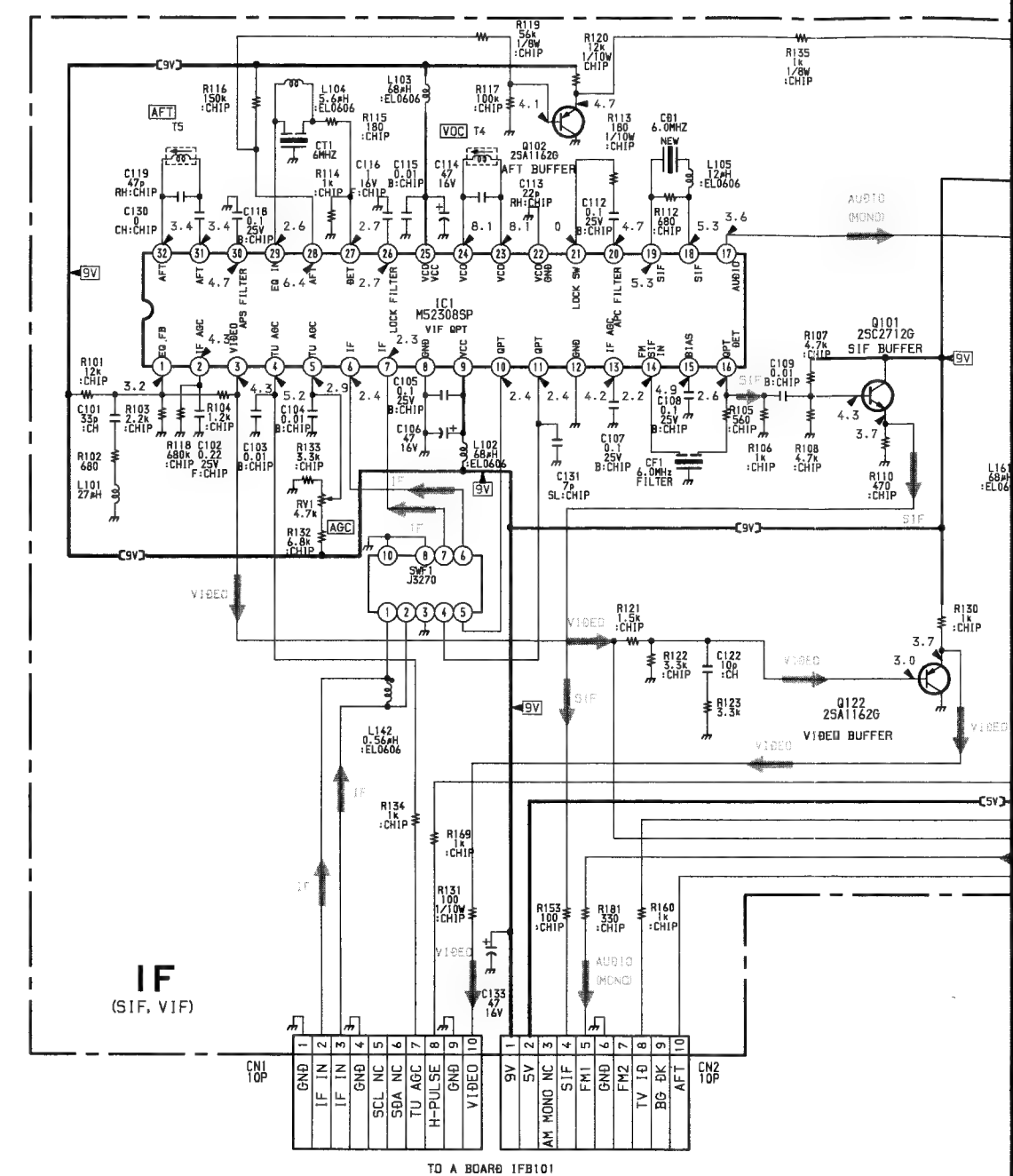
— VM BOARD —



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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IFH389 (AEP, Italian, Spanish Model)

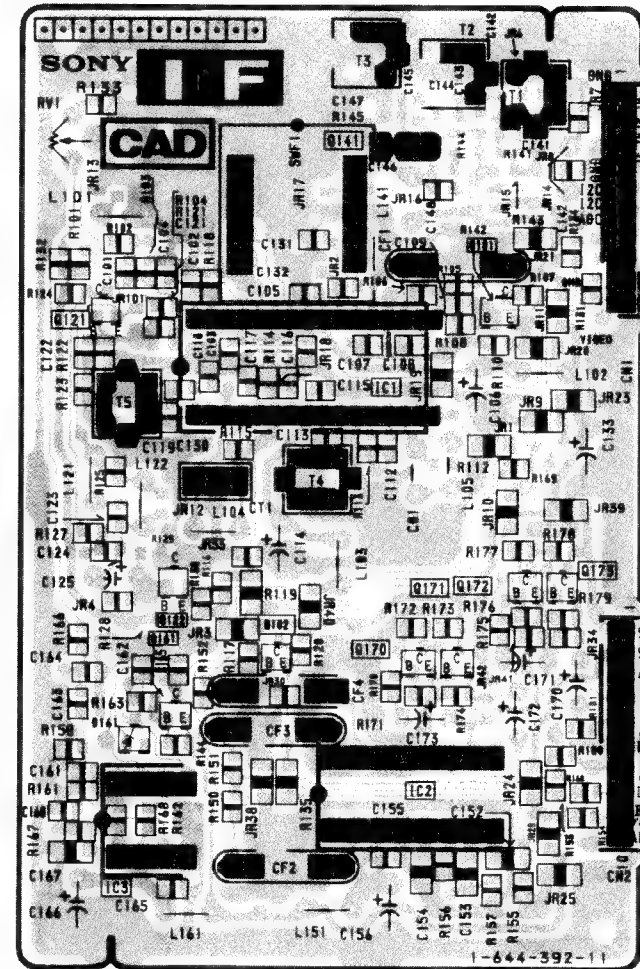
IFH385 (UK Model)



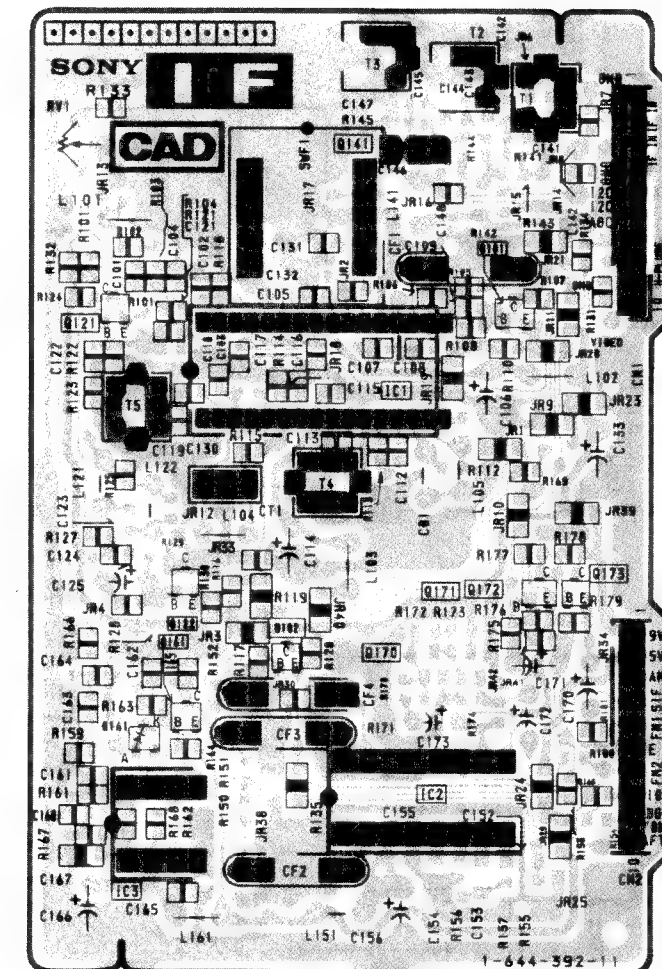
IF

[VIF, SIF]

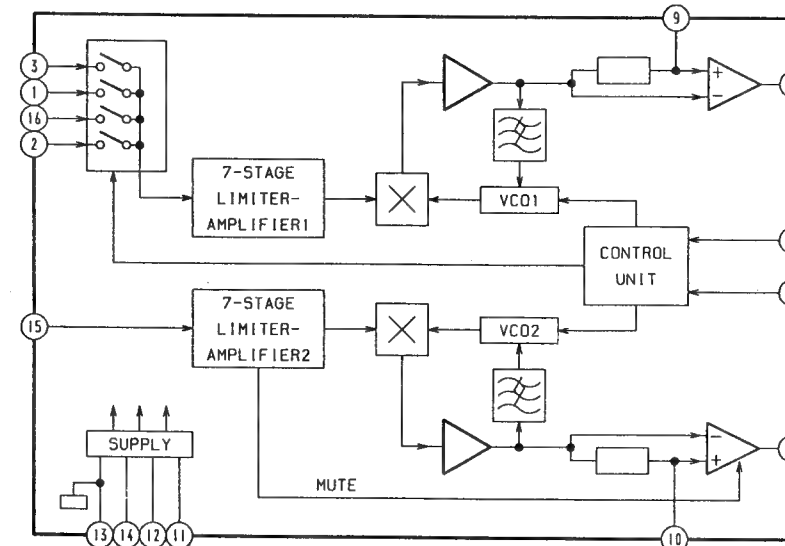
- IF BOARD - (AEP, Italian, Spanish Model)



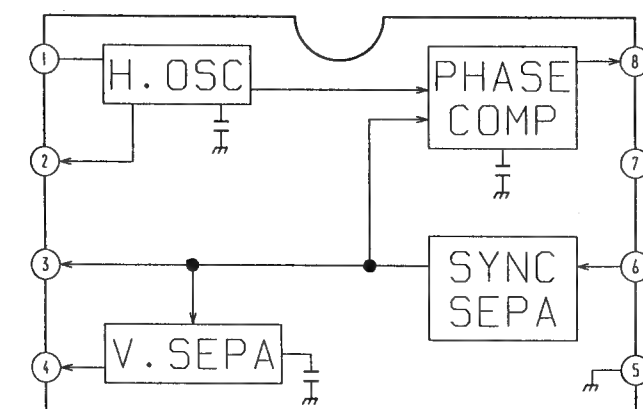
- IF BOARD - (UK Model)



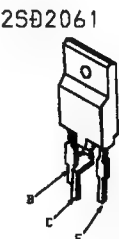
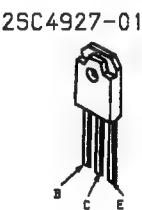
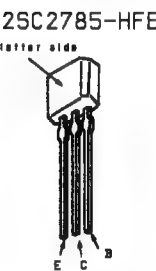
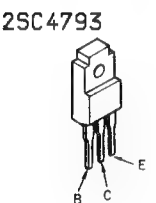
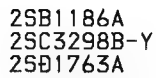
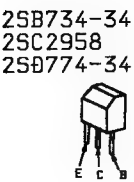
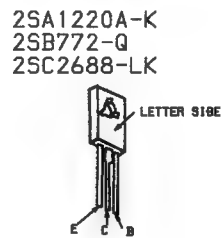
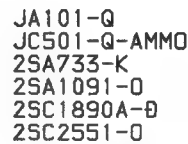
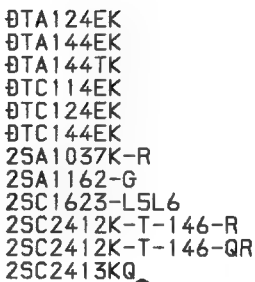
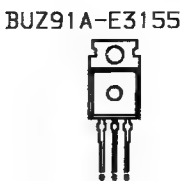
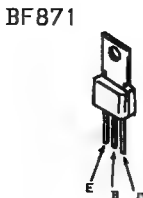
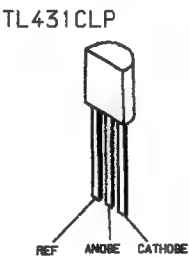
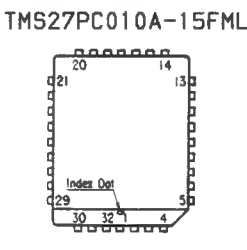
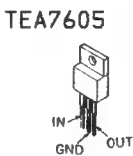
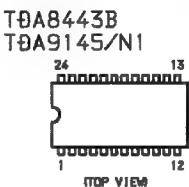
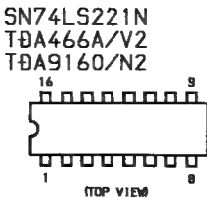
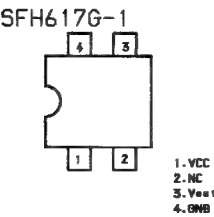
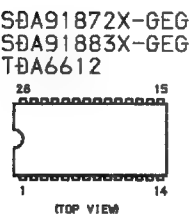
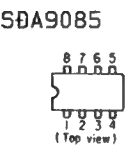
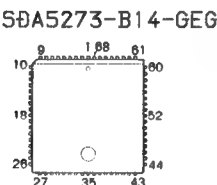
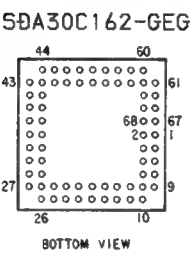
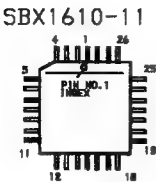
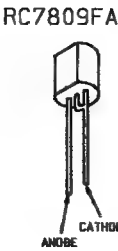
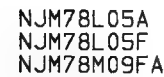
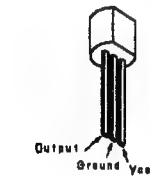
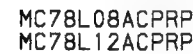
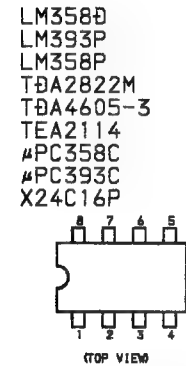
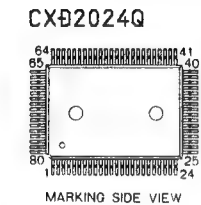
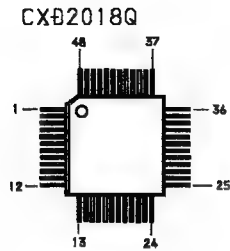
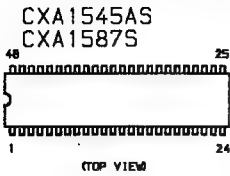
• IF BOARD IC2 TDA9820 (AEP, Italian, Spanish Model)



• IF BOARD IC3 BA7046 (AEP, Italian, Spanish Model)



5-5. SEMICONDUCTORS



2S02096-EF



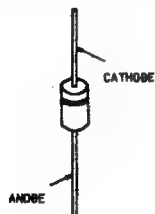
010SC6M



ESAB92-02



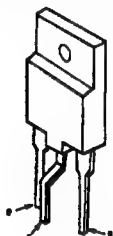
0GP20G
ERC25-06S
RGP02-20EL-6394
RU30ALFS1
RU3AM



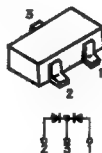
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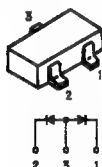
2SK1916-53-F50



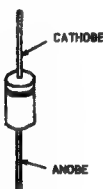
MA152WK



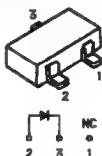
0AN202K
0AP202K
1S2836



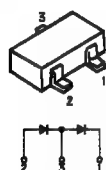
EL1Z
ERB44-06
GP080
RGP10GPKG23
RGP15GPKG23
R2K-V1
1N4148A-T265



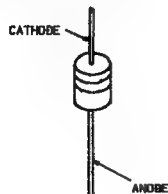
MA3030-H (TK)
MA3039H-TX
MA3047L-TX



0A204K



ERA85-009
MTZJ-T-77-12B
MTZJ-T-77-13C
MTZJ-T-77-15A
MTZJ-T-77-2.2A
MTZJ-T-77-3.6A
MTZJ-T-77-30B
MTZJ-T-77-33C
MTZJ-T-77-39C
MTZJ-T-77-5.6A
MTZJ-T-77-5.6B
MTZJ-T-77-7.5A
MTZJ-T-77-9.1
MTZN-1013
R012ES-B2
R05.6ES-B1
R05.6ES-B2
R06.2ES-B2
R07.5ES-B2



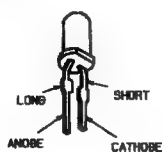
MA3051L-TX



RGP02-17EL-6433



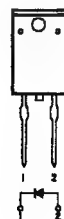
L0201VR



1SS226



05L60



SECTION 6 EXPLODED VIEWS

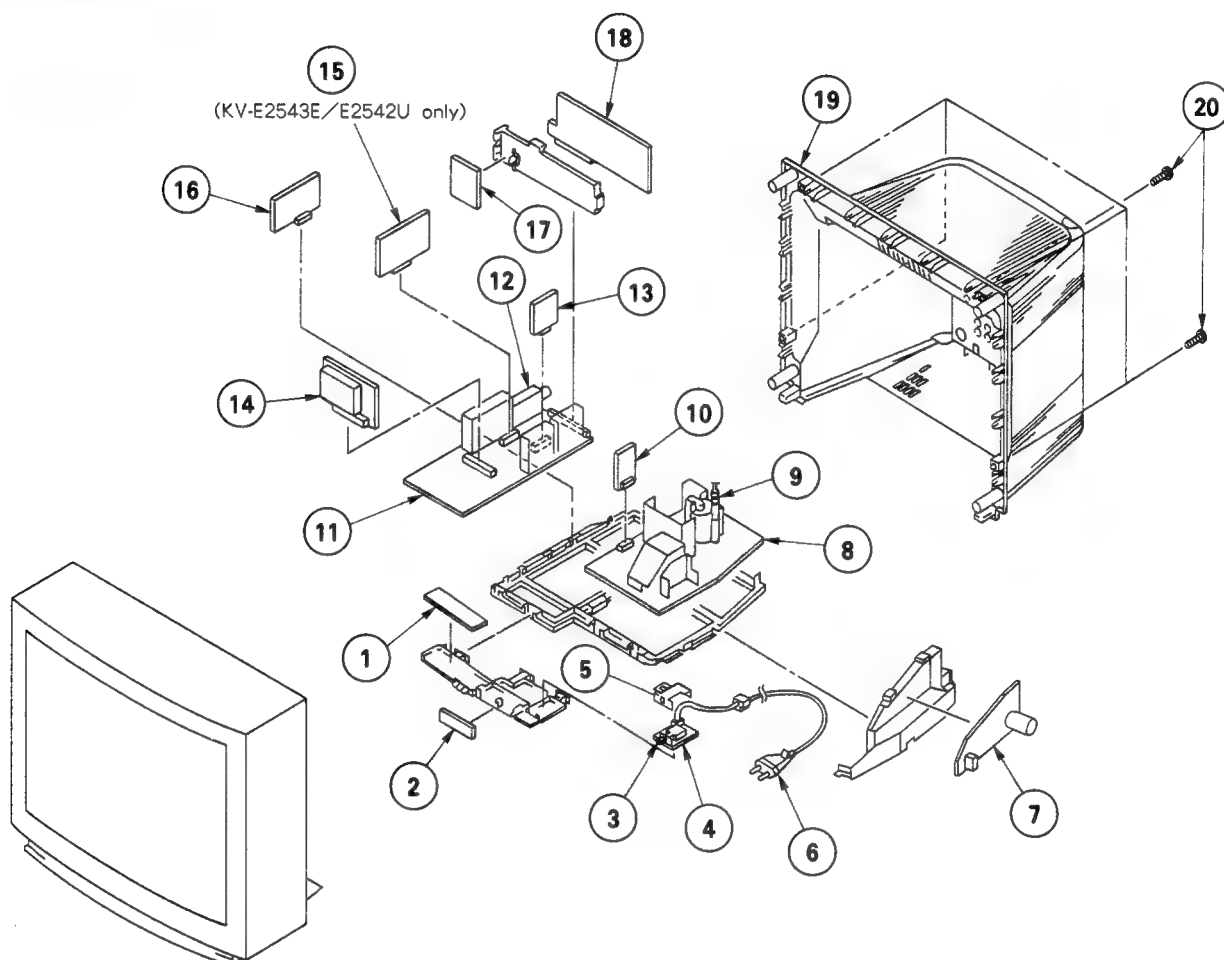
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

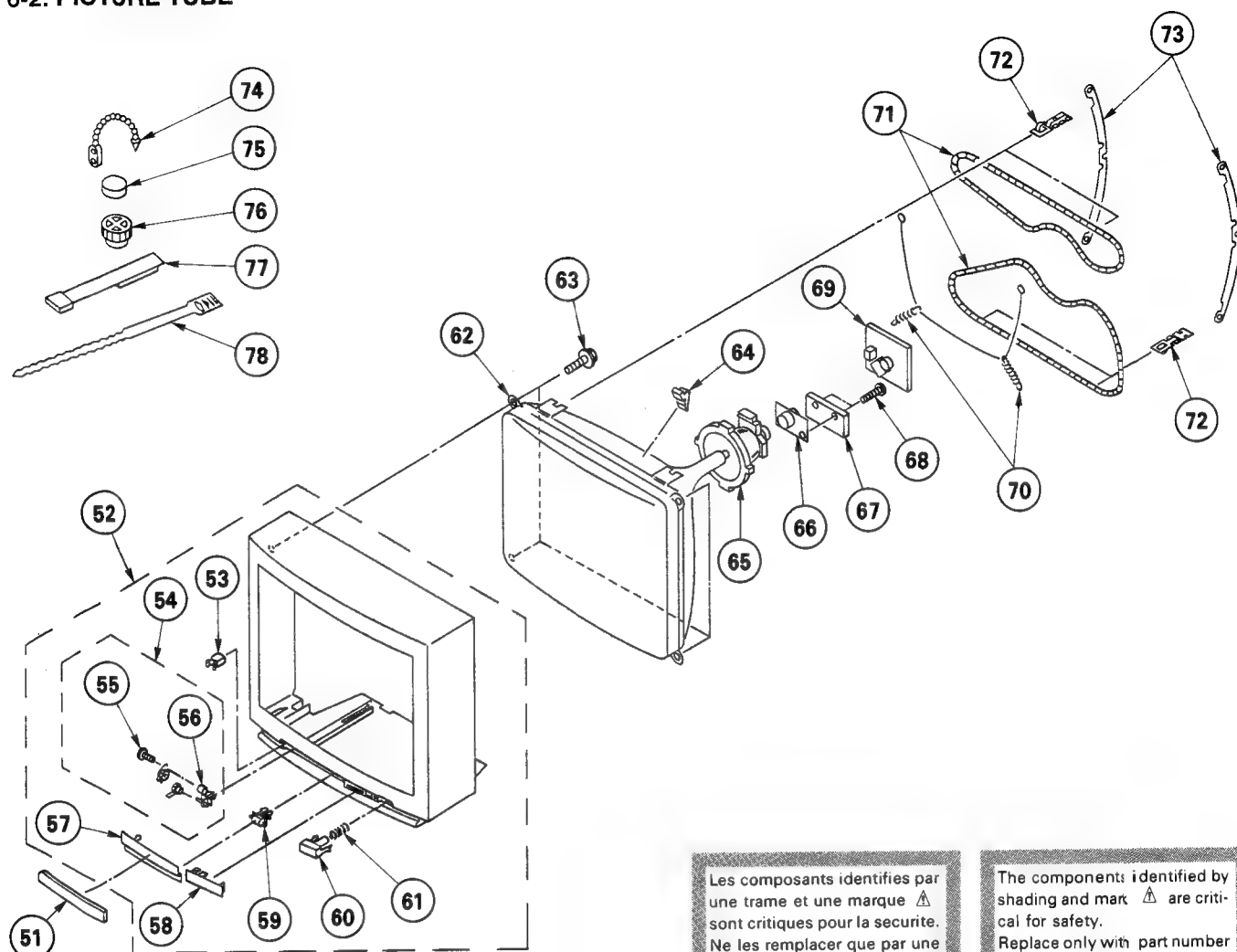
Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	*1-648-314-11	H1 BOARD		11	*A-1632-147-A	A BOARD, COMPLETE (KV-E2541A, KV-E2541D)	
2	*1-648-475-11	H2 BOARD			*A-1632-150-A	A BOARD, COMPLETE (KV-E2541B)	
3	▲ 1-571-433-12	SWITCH, PUSH (AC POWER)			*A-1632-152-A	A BOARD, COMPLETE (KV-E2542U)	
4	*A-1624-019-A	F1 BOARD, COMPLETE			*A-1632-153-A	A BOARD, COMPLETE (KV-E2543E)	
5	4-202-376-01	COVER, POWER SWITCH		12	▲ 1-693-184-11	TUNER (U944C) (KV-E2542U)	
6	▲ 1-590-460-11	CORD, POWER(WITH CONNECTOR) 7.0A/250V (KV-E2541B, E2543E)			▲ 1-693-185-11	TUNER (UV916H) (KV-E2541A, E2541D, E2543E)	
	▲ 1-590-762-11	CORD, POWER(WITH PLUG) 2.5A/250V (KV-E2542U)			▲ 8-598-045-00	SONY ET TUNER (BTP-EC411) (KV-E2541B)	
	▲ 1-751-680-11	CORD, POWER(WITH NOISE FILTER) 2.5A/250V (KV-E2541A, E2541D)		13	*A-1620-049-A	B BOARD, COMPLETE	
7	*A-1624-018-A	F2 BOARD, COMPLETE		14	*A-1635-006-A	M1 BOARD, COMPLETE	
8	*A-1642-096-A	D BOARD, COMPLETE		15	*A-1630-168-A	A1 BOARD, COMPLETE (KV-E2542U)	
9	▲ 1-453-118-11	TRANSFORMER ASSY, FLYBACK (NX-2600A2)			*A-1630-170-A	A1 BOARD, COMPLETE (KV-E2543E)	
10	*A-1640-107-A	D5 BOARD, COMPLETE		16	*A-1622-006-A	P1 BOARD, COMPLETE	
				17	*A-1649-007-A	K BOARD, COMPLETE	
				18	*A-1651-052-A	J BOARD, COMPLETE	
				19	4-202-428-01	COVER, REAR	
				20	4-039-358-11	SCREW (4X16), (+) BV TAPPING	

6-2. PICTURE TUBE

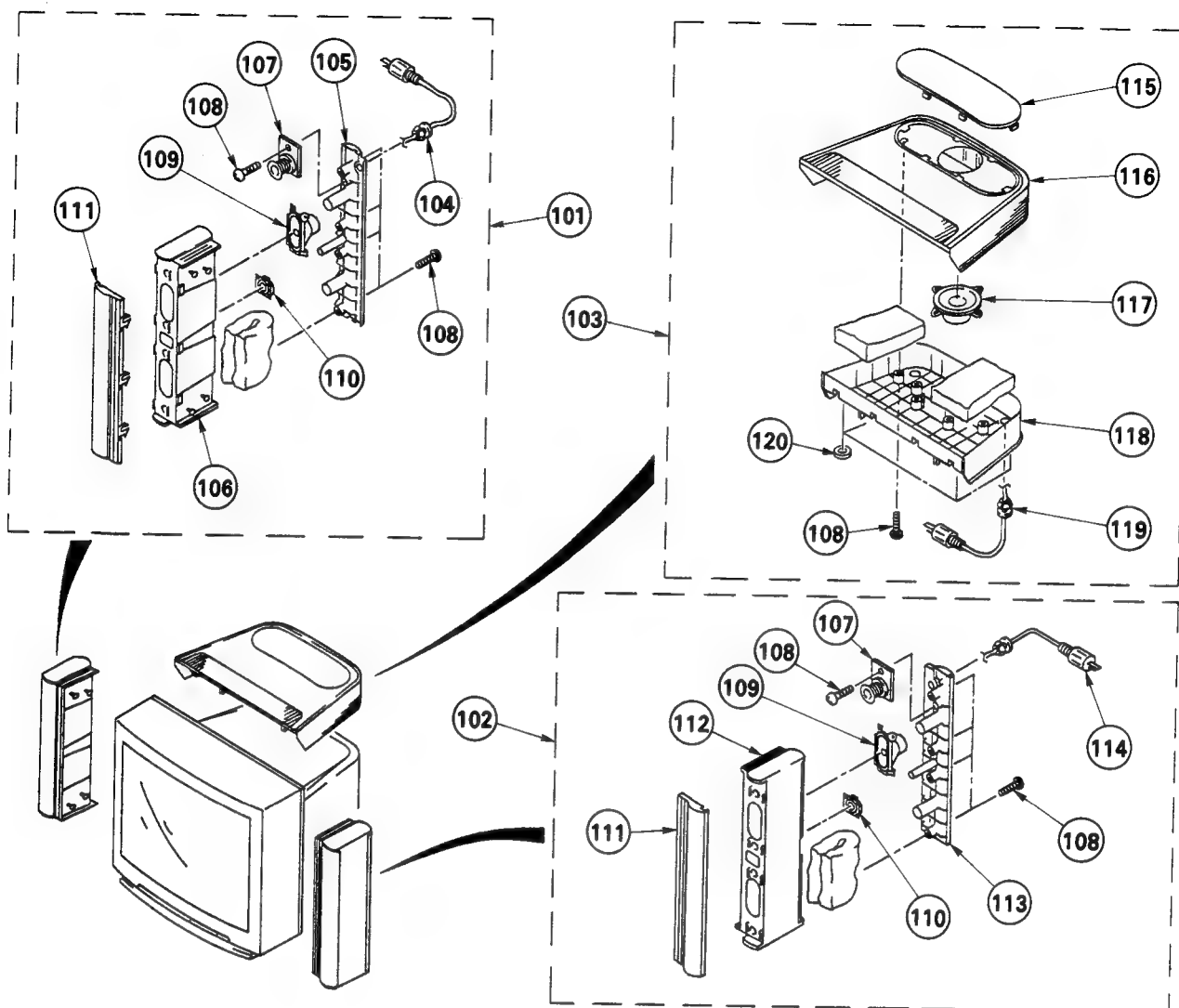


Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	4-202-424-01	COVER, DOOR (KV-E2541A,E2541B,E2541D)		65	Δ 1-451-404-21	DEFLECTION YOKE (Y25GXA)	
	4-202-424-11	COVER, DOOR (KV-E2542U,E2543E)		66	Δ 1-452-509-42	NECK ASSY, PICTURE TUBE (NA-308)	
52	X-4200-133-1	CABINET ASSY (WITH BEZEL ASSY)		67	*A-1644-028-A	VM BOARD, COMPLETE	
53	4-392-036-01	CATCHER, PUSH		68	4-039-357-01	SCREW (3X8), (+) BV TAPPING	
54	X-4031-244-2	DAMPER ASSY		69	*A-1638-040-A	C BOARD, COMPLETE	
55	4-033-184-01	SCREW, SPECIAL		70	4-200-433-01	SPRING, EXTENSION	
56	4-041-017-01	SHAFT (MAIN), DAMPER DOOR		71	Δ 1-406-806-21	COIL, DEMAGNETIZATION	
57	4-202-422-01	DOOR, CONTROL		72	4-202-463-01	CLIP, DGC (25")	
58	4-202-421-01	WINDOW, ORNAMENTAL		73	4-202-416-01	BAND, DGC	
59	3-703-035-12	SHAFT, LID		74	4-308-870-00	CLIP, LEAD WIRE	
60	4-202-420-01	BUTTON, POWER		75	1-452-032-00	MAGNET, DISK; 10MM ϕ	
61	4-329-112-51	SPRING		76	1-452-094-00	MAGNET, ROTABLE DISK; 15MM ϕ	
62	Δ 8-733-232-05	PICTURE TUBE (M60KWL10X)		77	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
63	4-036-188-01	SCREW (M), PT		78	3-701-007-00	BAND, BINDING	
64	3-704-495-01	SPACER, DY					

6-3. SPEAKER



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	A-1678-062-A	BOX COMPLETE ASSY (L)	104~111	111	4-202-426-01	SPEAKER GRILLE, SIDE	
102	A-1678-063-A	BOX COMPLETE ASSY (R)	107~114	112	4-202-432-01	BOX, SPEAKER (R)	
103	A-1678-071-A	BOX COMPLETE ASSY WOOFER	108, 115~120	113	4-202-434-01	COVER, SPEAKER (R)	
104	1-696-406-11	CABLE, SPEAKER (WITH GROMMET)		114	1-696-407-11	CABLE, SPEAKER (WITH GROMMET)	
105	4-202-433-01	COVER, SPEAKER (L)		115	4-202-425-01	SPEAKER GRILLE, WOOFER	
106	4-202-432-11	BOX, SPEAKER (L)		116	4-202-412-01	WOOFER, TOP	
107	1-239-728-11	NETWORK, DIVIDING		117	1-544-767-11	SPEAKER (13CM)	
108	4-039-358-01	SCREW (4X16), (+) BV TAPPING		118	4-202-411-01	WOOFER, BOTTOM	
109	1-504-333-11	SPEAKER (5X11CM)		119	1-751-616-11	CABLE, SPEAKER (WITH GROMMET)	
110	1-504-398-11	SPEAKER		120	4-200-630-01	CUSHION, FOOT	

SECTION 7 ELECTRICAL PARTS LIST

KV-E254

B

NOTE:

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : μ F

COILS

• MMH : mH, UH : μ H

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1620-049-A B BOARD, COMPLETE *****				FL1303	1-239-550-41	FILTER, LOW PASS	
				FL1304	1-236-164-11	ENCAPSULATED COMPONENT	
<CAPACITOR>				<IC>			
C1301	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	IC1301	8-752-357-88	IC CXD2024Q-TL	
C1302	1-126-101-11	ELECT 100MF	20% 16V	<COIL>			
C1303	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	L1301	1-408-405-00	INDUCTOR 4.7UH	
C1304	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	L1302	1-408-403-00	INDUCTOR 3.3UH	
C1305	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	L1303	1-408-405-00	INDUCTOR 4.7UH	
C1306	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	L1304	1-408-405-00	INDUCTOR 4.7UH	
C1307	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	<TRANSISTOR>			
C1308	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	Q1301	8-729-216-22	TRANSISTOR 2SA1162-G	
C1309	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	Q1302	8-729-216-22	TRANSISTOR 2SA1162-G	
C1310	1-126-101-11	ELECT 100MF	20% 16V	Q1303	8-729-216-22	TRANSISTOR 2SA1162-G	
C1311	1-163-038-00	CERAMIC CHIP 0.1MF	25V	Q1304	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1312	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	Q1305	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1313	1-124-917-11	ELECT 33MF	20% 50V	Q1306	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1314	1-126-101-11	ELECT 100MF	20% 16V	Q1307	8-729-216-22	TRANSISTOR 2SA1162-G	
C1315	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q1308	8-729-216-22	TRANSISTOR 2SA1162-G	
C1316	1-126-101-11	ELECT 100MF	20% 16V	Q1310	8-729-216-22	TRANSISTOR 2SA1162-G	
C1317	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	<RESISTOR>			
C1318	1-124-910-11	ELECT 47MF	20% 50V	R1301	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
C1319	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1302	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
C1320	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	R1303	1-216-043-00	METAL GLAZE 560 5% 1/10W	
C1321	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1304	1-216-043-00	METAL GLAZE 560 5% 1/10W	
C1322	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1305	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
C1323	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1306	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
C1324	1-126-101-11	ELECT 100MF	20% 16V	R1307	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
C1325	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1308	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
C1326	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1309	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
C1327	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1310	1-216-295-00	METAL GLAZE 0 5% 1/10W	
C1328	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1311	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
C1329	1-163-038-00	CERAMIC CHIP 0.1MF	25V	R1312	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
C1330	1-163-038-00	CERAMIC CHIP 0.1MF	25V	R1313	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
C1331	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1314	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
C1332	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1315	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
C1333	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R1316	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
<CONNECTOR>				R1317	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
CN0302	*1-573-299-11	CONNECTOR, BOARD TO BOARD 10P		R1318	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
<DIODE>				R1319	1-216-043-00	METAL GLAZE 560 5% 1/10W	
D1301	8-719-400-18	DIODE MA152WK		R1320	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
<FILTER>				R1321	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
FL1301	1-239-550-41	FILTER, LOW PASS		R1322	1-216-025-00	METAL GLAZE 100 5% 1/10W	
FL1302	1-239-550-41	FILTER, LOW PASS		R1324	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
				R1325	1-216-043-00	METAL GLAZE 560 5% 1/10W	

B	P1
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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1326	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1449	1-163-257-11	CERAMIC CHIP 180PF	5% 50V
R1327	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1450	1-164-005-11	CERAMIC CHIP 0.47MF	
R1330	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C1451	1-163-003-11	CERAMIC CHIP 330PF	10% 50V
R1331	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1452	1-163-038-00	CERAMIC CHIP 0.1MF	
R1332	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	C1453	1-163-038-00	CERAMIC CHIP 0.1MF	25V
R1333	1-216-666-11	METAL CHIP	4.3K 0.50% 1/10W	C1454	1-163-038-00	CERAMIC CHIP 0.1MF	
R1334	1-216-635-11	METAL CHIP	220 0.50% 1/10W	C1455	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
R1335	1-216-637-11	METAL CHIP	270 0.50% 1/10W	C1456	1-163-133-00	CERAMIC CHIP 470PF	
R1336	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W	C1457	1-164-005-11	CERAMIC CHIP 0.47MF	5% 50V
R1337	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W	C1458	1-164-505-11	CERAMIC CHIP 2.2MF	
R1338	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W	C1459	1-164-505-11	CERAMIC CHIP 2.2MF	16V
R1339	1-216-295-00	METAL GLAZE	0 5% 1/10W	C1460	1-163-038-00	CERAMIC CHIP 0.1MF	
R1342	1-216-295-00	METAL GLAZE	0 5% 1/10W	C1461	1-164-005-11	CERAMIC CHIP 0.47MF	25V
R1343	1-216-035-00	METAL GLAZE	270 5% 1/10W	C1462	1-164-005-11	CERAMIC CHIP 0.47MF	

*A-1622-006-A		P1 BOARD, COMPLETE		C1463	1-126-101-11	ELECT 100MF	20% 16V
		*****		C1464	1-126-101-11	ELECT 100MF	
				C1465	1-126-101-11	ELECT 100MF	20% 16V
				C1466	1-126-101-11	ELECT 100MF	
				C1467	1-126-101-11	ELECT 100MF	20% 16V
				C1468	1-164-505-11	CERAMIC CHIP 2.2MF	
				C1469	1-164-505-11	CERAMIC CHIP 2.2MF	16V
				C1471	1-164-004-11	CERAMIC CHIP 0.1MF	
C1401	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C1472	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1402	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C1473	1-164-004-11	CERAMIC CHIP 0.1MF	
C1403	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C1481	1-164-005-11	CERAMIC CHIP 0.47MF	10% 25V
C1404	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C1482	1-163-001-11	CERAMIC CHIP 220PF	
C1405	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C1491	1-163-251-11	CERAMIC CHIP 100PF	10% 50V
C1406	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	<CONNECTOR>			
C1407	1-163-038-00	CERAMIC CHIP 0.1MF	25V	CN1514*1-568-879-11	PIN, CONNECTOR 4P		
C1408	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	CN1515*1-564-516-11	PLUG, CONNECTOR 13P		
C1409	1-124-903-11	ELECT 1MF	20% 50V	CN1516*1-568-879-11	PIN, CONNECTOR 4P		
C1410	1-163-038-00	CERAMIC CHIP 0.1MF	25V	CN1538*1-573-299-11	CONNECTOR, BOARD TO BOARD 10P		
C1411	1-164-005-11	CERAMIC CHIP 0.47MF	25V	<DIODE>			
C1412	1-163-038-00	CERAMIC CHIP 0.1MF	25V	D1401	8-719-401-41	DIODE MA3051L-TX	
C1414	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	<FILTER>			
C1416	1-163-129-00	CERAMIC CHIP 330PF	5% 50V	FL1403	1-236-071-11	ENCAPSULATED COMPONENT	
C1417	1-163-129-00	CERAMIC CHIP 330PF	5% 50V	FL1404	1-236-071-11	ENCAPSULATED COMPONENT	
C1419	1-164-005-11	CERAMIC CHIP 0.47MF	25V	FL1405	1-236-071-11	ENCAPSULATED COMPONENT	
C1420	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL1406	1-236-071-11	ENCAPSULATED COMPONENT	
C1421	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL1407	1-236-071-11	ENCAPSULATED COMPONENT	
C1422	1-163-038-00	CERAMIC CHIP 0.1MF	25V	FL1408	1-236-071-11	ENCAPSULATED COMPONENT	
C1423	1-163-038-00	CERAMIC CHIP 0.1MF	25V	<IC>			
C1424	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	IC1401	8-759-073-16	IC TDA9160/N2	
C1425	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	IC1402	8-759-086-97	IC TDA4661T/V2	
C1426	1-163-124-00	CERAMIC CHIP 200PF	5% 50V	IC1403	8-759-183-56	IC SDA9187-GEG	
C1427	1-124-916-11	ELECT 22MF	20% 50V	IC1404	8-759-183-57	IC SDA9188-GEG	
C1428	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC1405	8-759-046-27	IC SDA9086-3	
C1430	1-163-038-00	CERAMIC CHIP 0.1MF	25V	IC1406	8-759-183-36	IC TDA8443B	
C1431	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC1410	8-759-037-45	IC MC78L08ACPRP	
C1432	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC1411	8-759-708-05	IC NJM78L05A	
C1433	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	<COIL>			
C1434	1-163-038-00	CERAMIC CHIP 0.1MF	25V	L1401	1-408-418-00	INDUCTOR 56UH	
C1435	1-163-038-00	CERAMIC CHIP 0.1MF	25V	L1405	1-408-407-00	INDUCTOR 6.8UH	
C1437	1-164-343-11	CERAMIC CHIP 0.056MF	10% 25V	L1406	1-408-407-00	INDUCTOR 6.8UH	
C1438	1-163-005-11	CERAMIC CHIP 470PF	10% 50V				
C1439	1-163-243-11	CERAMIC CHIP 47PF	5% 50V				
C1440	1-163-245-11	CERAMIC CHIP 56PF	5% 50V				
C1441	1-164-005-11	CERAMIC CHIP 0.47MF	25V				
C1442	1-164-005-11	CERAMIC CHIP 0.47MF	25V				
C1443	1-163-251-11	CERAMIC CHIP 100PF	5% 50V				
C1444	1-164-005-11	CERAMIC CHIP 0.47MF	25V				
C1445	1-164-005-11	CERAMIC CHIP 0.47MF	25V				
C1446	1-164-005-11	CERAMIC CHIP 0.47MF	25V				
C1447	1-163-038-00	CERAMIC CHIP 0.1MF	25V				
C1448	1-164-222-11	CERAMIC CHIP 0.22MF	25V				

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

P1 F2

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>							
Q1401	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1449	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q1402	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1450	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q1403	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1453	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q1404	8-729-216-22	TRANSISTOR 2SA1162-G		R1454	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q1405	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1455	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q1406	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1456	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q1407	8-729-216-22	TRANSISTOR 2SA1162-G		R1458	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
Q1408	8-729-216-22	TRANSISTOR 2SA1162-G		R1462	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q1409	8-729-216-22	TRANSISTOR 2SA1162-G		R1463	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q1413	8-729-216-22	TRANSISTOR 2SA1162-G		R1468	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q1414	8-729-900-53	TRANSISTOR DTC114EK		R1469	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q1416	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1471	1-216-037-00	METAL GLAZE 330 5%	1/10W
Q1417	8-729-900-53	TRANSISTOR DTC114EK		R1481	1-216-089-91	METAL GLAZE 47K 5%	1/10W
Q1419	8-729-900-53	TRANSISTOR DTC114EK		R1483	1-216-079-00	METAL GLAZE 18K 5%	1/10W
Q1421	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1484	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q1422	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1485	1-216-041-00	METAL GLAZE 470 5%	1/10W
Q1425	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1486	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q1426	8-729-900-53	TRANSISTOR DTC114EK		R1487	1-216-033-00	METAL GLAZE 220 5%	1/10W
<RESISTOR>				R1493	1-216-077-00	METAL GLAZE 15K 5%	1/10W
JR1401	1-216-295-00	METAL GLAZE 0 5%	1/10W	R1494	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1401	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1495	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R1402	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1496	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1403	1-216-025-00	METAL GLAZE 100 5%	1/10W	R1497	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R1404	1-216-025-00	METAL GLAZE 100 5%	1/10W	R1498	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1405	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1499	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1406	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	<CRYSTAL>			
R1407	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	X1401	1-567-505-11	OSCILLATOR, CRYSTAL	
R1408	1-216-041-00	METAL GLAZE 470 5%	1/10W	X1402	1-567-504-11	OSCILLATOR, CRYSTAL	
R1410	1-216-029-00	METAL GLAZE 150 5%	1/10W	*****			
R1411	1-216-041-00	METAL GLAZE 470 5%	1/10W	*A-1624-018-A F2 BOARD, COMPLETE			
R1412	1-216-041-00	METAL GLAZE 470 5%	1/10W	*****			
R1413	1-216-041-00	METAL GLAZE 470 5%	1/10W	<CAPACITOR>			
R1414	1-216-045-00	METAL GLAZE 680 5%	1/10W	C661 Δ	1-136-519-12	FILM 0.47MF	20V 300V
R1415	1-216-045-00	METAL GLAZE 680 5%	1/10W	C662 Δ	1-136-518-12	FILM 0.33MF	20V 300V
R1416	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C664 Δ	1-164-246-61	CERAMIC 0.0022MF	20V 400V
R1417	1-216-033-00	METAL GLAZE 220 5%	1/10W	C666	1-124-920-11	ELECT 330MF	20V 50V
R1418	1-216-025-00	METAL GLAZE 100 5%	1/10W	C667	1-126-233-11	ELECT 22MF	20V 50V
R1419	1-216-027-00	METAL GLAZE 120 5%	1/10W	C672 Δ	1-161-964-61	CERAMIC 0.0047MF	250V
R1421	1-216-033-00	METAL GLAZE 220 5%	1/10W	C673 Δ	1-161-964-61	CERAMIC 0.0047MF	250V
R1422	1-216-023-00	METAL GLAZE 82 5%	1/10W	C674	1-125-318-00	ELECT (BLOCK) 220MF	20V 400V
R1424	1-216-041-00	METAL GLAZE 470 5%	1/10W	<CONNECTOR>			
R1425	1-216-041-00	METAL GLAZE 470 5%	1/10W	CN0005	1-508-765-00	PIN, CONNECTOR (5MM PITCH) P	
R1426	1-216-041-00	METAL GLAZE 470 5%	1/10W	CN0007	1-508-786-00	PIN, CONNECTOR (5MM PITCH) P	
R1427	1-216-041-00	METAL GLAZE 470 5%	1/10W	CN0924*	1-568-878-51	PIN, CONNECTOR 3P	
R1429	1-216-091-00	METAL GLAZE 56K 5%	1/10W	CN0925*	1-695-294-11	PIN, CONNECTOR (PC BOARD) 6P	
R1430	1-216-073-00	METAL GLAZE 10K 5%	1/10W	CN0929	1-508-784-00	PIN, CONNECTOR (5MM PITCH) P	
R1431	1-216-073-00	METAL GLAZE 10K 5%	1/10W	CN0931*	1-691-291-11	PIN, CONNECTOR (PC BOARD) P	
R1433	1-216-043-00	METAL GLAZE 560 5%	1/10W	<DIODE>			
R1435	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	D661	8-719-911-19	DIODE 1SS119	
R1436	1-216-045-00	METAL GLAZE 680 5%	1/10W	D663	8-719-510-63	DIODE D4SB60L-F	
R1437	1-216-033-00	METAL GLAZE 220 5%	1/10W	D664	8-719-109-89	DIODE RD5.6ESB2	
R1438	1-216-047-00	METAL GLAZE 820 5%	1/10W	<TRANSFORMER>			
R1439	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R1441	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W				
R1442	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W				
R1443	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W				
R1444	1-216-041-00	METAL GLAZE 470 5%	1/10W				
R1445	1-216-083-00	METAL GLAZE 27K 5%	1/10W				
R1446	1-216-079-00	METAL GLAZE 18K 5%	1/10W				

F2

F1

A1 (KV-E2543E/E2542U)

Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifique.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF.NO. PART NO. DESCRIPTION REMARK

LF661 Δ 1-424-688-11 COIL, LINE FILTER
LF662 Δ 1-424-391-11 TRANSFORMER, LINE FILTER
LF663 Δ 1-421-862-11 LFT

<TRANSISTOR>

Q661 8-729-120-28 TRANSISTOR 2SC1623-L5L6

<RESISTOR>

R663 Δ 1-244-945-91 CARBON 1M 5% 1/2W
R664 Δ 1-205-949-11 WIREWOUND 1.8 5% 10W F
R665 Δ 1-218-265-91 METAL GLAZE 8.2M 5% 1W
R666 1-249-405-11 CARBON 100 5% 1/4W F
R667 1-249-430-11 CARBON 12K 5% 1/4W
R668 1-249-436-11 CARBON 39K 5% 1/4W
R669 Δ 1-205-949-11 WIREWOUND 1.8 5% 10W F
R671 1-249-417-11 CARBON 1K 5% 1/4W F

<RELAY>

RY661 Δ 1-515-720-31 RELAY

<THERMISTOR>

THP661 Δ 1-809-827-11 THERMISTOR, POSITIVE

*A-1624-019-A F1 BOARD, COMPLETE

<CONNECTOR>

CN0003 Δ 1-580-844-11 PIN, CONNECTOR (POWER)
CN0831 Δ 1-695-292-11 PIN, CONNECTOR (POWER)

<FUSE>

F651 Δ 1-576-232-21 FUSE (H.B.C.) 5A/250V
1-533-230-11 HOLDER, FUSE; F651

<SWITCH>

S651 Δ 1-571-433-12 SWITCH, PUSH (AC POWER)

*A-1630-168-A A1 BOARD, COMPLETE (KV-E2542U)

*A-1630-170-A A1 BOARD, COMPLETE (KV-E2543E)

<CAPACITOR>

C1101 1-126-101-11 ELECT 100MF 20% 16V
C1102 1-126-101-11 ELECT 100MF 20% 16V
C1103 1-163-077-00 CERAMIC CHIP 0.1MF 50V
C1104 1-163-077-00 CERAMIC CHIP 0.1MF 10% 25V
C1105 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V
C1106 1-163-383-91 CERAMIC CHIP 180PF 5% 50V
C1107 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V
C1108 1-163-059-00 CERAMIC CHIP 0.01MF 50V
C1109 1-163-033-00 CERAMIC CHIP 0.022MF 50V
C1110 1-164-336-11 CERAMIC CHIP 0.33MF 25V

REF.NO. PART NO. DESCRIPTION REMARK

C1111 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V
C1112 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V
C1113 1-124-477-11 ELECT 47MF 20% 16V
C1114 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1115 1-124-477-11 ELECT 47MF 20% 16V

C1116 1-106-228-00 MYLAR 0.22MF 10% 100V
C1117 1-163-081-00 CERAMIC CHIP 0.22MF 25V
C1118 1-163-113-00 CERAMIC CHIP 68PF 5% 50V
C1119 1-163-129-00 CERAMIC CHIP 330PF 5% 50V
C1120 1-163-193-00 CERAMIC CHIP 330PF 5% 50V

C1121 1-163-113-00 CERAMIC CHIP 68PF 5% 50V
C1122 1-163-081-00 CERAMIC CHIP 0.22MF 25V
C1123 1-106-228-00 MYLAR 0.22MF 10% 100V
C1124 1-124-477-11 ELECT 47MF 20% 16V
C1125 1-124-477-11 ELECT 47MF 20% 16V

C1126 1-163-077-00 CERAMIC CHIP 0.1MF 10% 25V
C1127 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1128 1-124-477-11 ELECT 47MF 20% 16V
C1129 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1130 1-163-205-00 CERAMIC CHIP 0.001MF 10% 50V

C1131 1-163-059-00 CERAMIC CHIP 0.01MF 50V
C1132 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1133 1-124-907-11 ELECT 10MF 20% 50V
C1134 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V
C1135 1-163-038-00 CERAMIC CHIP 0.1MF 25V

C1136 1-163-117-00 CERAMIC CHIP 100PF 5% 50V
C1137 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1138 1-163-105-00 CERAMIC CHIP 33PF 5% 50V
C1139 1-163-105-00 CERAMIC CHIP 33PF 5% 50V
C1140 1-163-117-00 CERAMIC CHIP 100PF 5% 50V

C1141 1-163-205-00 CERAMIC CHIP 0.001MF 5% 50V
C1142 1-163-057-00 CERAMIC CHIP 0.0068MF 50V
C1143 1-163-003-11 CERAMIC CHIP 330PF 10% 50V
C1144 1-163-121-00 CERAMIC CHIP 150PF 5% 50V
C1145 1-163-121-00 CERAMIC CHIP 150PF 5% 50V

C1146 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1147 1-124-477-11 ELECT 47MF 20% 16V
C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V
C1149 1-124-477-11 ELECT 47MF 20% 16V
C1150 1-163-038-00 CERAMIC CHIP 0.1MF 25V

C1151 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1152 1-124-477-11 ELECT 47MF 20% 16V
C1153 1-163-087-00 CERAMIC CHIP 4PF 0.25PF 50V
C1154 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1155 1-124-477-11 ELECT 47MF 20% 16V

C1156 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V
C1157 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V
C1158 1-163-038-00 CERAMIC CHIP 0.1MF 25V
C1159 1-163-243-11 CERAMIC CHIP 47PF 5% 50V
(KV-E2542U)

<FILTER>

BP1101 1-236-238-12 FILTER, BAND PASS (KV-E2542U)
1-239-047-11 FILTER, BAND PASS (KV-E2543E)
CF1101 1-409-333-00 TRAP, CERAMIC (6.0MHZ) (KV-E2542U)
CF1102 1-404-134-00 TRAP, CERAMIC (5.5MHZ) (KV-E2543E)

<CONNECTOR>

CN0201 1-695-300-11 CONNECTOR, BOARD TO BOARD 20P

<DIODE>

A1 (KV-E2543E/E2542U)**A**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D1101	8-719-104-34	DIODE 1S2836		R1118	1-216-097-00	METAL GLAZE 100K 5%	1/10W
D1102	8-719-027-70	DIODE 1SV217-TPH3		R1119	1-216-073-00	METAL GLAZE 10K 5%	1/10W
D1103	8-719-820-71	DIODE 1SV214		R1120	1-216-232-00	METAL GLAZE 27K 5%	1/8W
<FERRITE BEAD>				R1121	1-216-081-00	METAL GLAZE 22K 5%	1/10W
FB1101	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R1122	1-216-158-00	METAL GLAZE 22 5%	1/8W
FB1102	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R1123	1-216-158-00	METAL GLAZE 22 5%	1/8W
FB1103	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R1124	1-216-089-91	METAL GLAZE 47K 5%	1/10W
FB1104	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R1125	1-216-097-00	METAL GLAZE 100K 5%	1/10W
FB1105	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R1126	1-216-218-00	METAL GLAZE 6.8K 5%	1/8W
<IC>				R1127	1-216-097-00	METAL GLAZE 100K 5%	1/10W
IC1101	8-759-511-88	IC TDA8732		R1128	1-216-089-91	METAL GLAZE 47K 5%	1/10W
IC1102	8-759-184-28	IC SAA7282-ZP		R1129	1-216-089-91	METAL GLAZE 47K 5%	1/10W
<COIL>				R1130	1-216-246-91	METAL GLAZE 100K 5%	1/8W
L1101	1-408-405-00	INDUCTOR 4.7UH		R1131	1-216-218-00	METAL GLAZE 6.8K 5%	1/8W
L1102	1-408-405-00	INDUCTOR 4.7UH		R1132	1-216-097-00	METAL GLAZE 100K 5%	1/10W
L1103	1-410-119-11	INDUCTOR 1MMH		R1133	1-216-089-91	METAL GLAZE 47K 5%	1/10W
L1104	1-410-119-11	INDUCTOR 1MMH		R1134	1-216-212-00	METAL GLAZE 3.9K 5%	1/8W
L1105	1-408-605-21	INDUCTOR 1MMH (KV-E2542U)		R1135	1-216-081-00	METAL GLAZE 22K 5%	1/10W
<TRANSISTOR>				R1136	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q1101	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1137	1-216-095-00	METAL GLAZE 82K 5%	1/10W
Q1102	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1138	1-216-097-00	METAL GLAZE 100K 5%	1/10W
Q1103	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1139	1-216-005-00	METAL GLAZE 15 5%	1/10W
Q1104	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1140	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q1105	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1141	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q1106	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1142	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q1107	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1143	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q1108	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1144	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<RESISTOR>				R1145	1-216-001-00	METAL GLAZE 10 5%	1/10W
JR1101	1-216-296-91	METAL GLAZE 0 5%	1/8W (KV-E2543E)	R1146	1-216-049-00	METAL GLAZE 1K 5%	1/10W
JR1102	1-216-296-91	METAL GLAZE 0 5%	1/8W	<CRYSTAL>			
JR1103	1-216-296-91	METAL GLAZE 0 5%	1/8W	X1101	1-579-689-21	VIBRATOR, CRYSTAL	
JR1104	1-216-295-00	METAL GLAZE 0 5%	1/10W	X1102	1-579-282-21	VIBRATOR, CRYSTAL (KV-E2543E)	
JW1101	1-535-143-31	LEAD, JUMPER (15.0MM)			1-579-283-11	VIBRATOR, CRYSTAL (KV-E2542U)	
JW1102	1-535-303-00	LEAD, JUMPER (10.0MM)		*****			
JW1103	1-535-303-00	LEAD, JUMPER (10.0MM)		*A-1632-147-A	A BOARD, COMPLETE (KV-E2541A, KV-E2541D)		
JW1104	1-535-143-31	LEAD, JUMPER (15.0MM)			*****		
R1101	1-216-188-00	METAL GLAZE 390 5%	1/8W	*A-1632-150-A	A BOARD, COMPLETE (KV-E2541B)		
R1102	1-216-049-00	METAL GLAZE 1K 5%	1/10W		*****		
R1103	1-216-049-00	METAL GLAZE 1K 5%	1/10W	*A-1632-152-A	A BOARD, COMPLETE (KV-E2542U)		
R1104	1-216-041-00	METAL GLAZE 470 5%	1/10W		*****		
R1105	1-216-005-00	METAL GLAZE 15 5%	1/10W	*A-1632-153-A	A BOARD, COMPLETE (KV-E2543E)		
R1106	1-216-185-00	METAL GLAZE 300 5%	1/8W		*****		
R1107	1-216-042-00	METAL GLAZE 510 5%	1/10W	4-200-001-01	HOLDER, IC		
R1108	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W	4-201-023-01	SPACER, INSULATING		
R1109	1-216-202-00	METAL GLAZE 1.5K 5%	1/8W	4-812-134-00	RIVET NYLON, 3.5		
R1110	1-216-196-00	METAL GLAZE 820 5%	1/8W	<CAPACITOR>			
R1111	1-216-041-00	METAL GLAZE 470 5%	1/10W	C071	1-126-108-11	ELECT 56MF	20% 16V
R1112	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	C072	1-124-120-11	ELECT 220MF	20% 16V
R1113	1-216-001-00	METAL GLAZE 10 5%	1/10W	C074	1-163-001-11	CERAMIC CHIP 220PF	10% 50V
R1114	1-216-105-00	METAL GLAZE 220K 5%	1/10W	C102	1-126-103-11	ELECT 470MF	20% 16V
R1115	1-216-121-00	METAL GLAZE 1M 5%	1/10W	C103	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R1116	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R1117	1-216-097-00	METAL GLAZE 100K 5%	1/10W				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C104	1-124-910-11	ELECT 47MF	20% 50V	C312	1-124-910-11	ELECT 47MF	20% 50V
C105	1-124-916-11	ELECT 22MF	20% 50V	C313	1-163-077-00	CERAMIC CHIP 0.1MF	50V
C106	1-124-927-11	ELECT 4.7MF	20% 50V	C314	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C110	1-124-478-11	ELECT 100MF	20% 25V	C315	1-124-910-11	ELECT 47MF	20% 50V
C120	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C316	1-163-077-00	CERAMIC CHIP 0.1MF	50V
C201	1-130-489-00	FILM 0.033MF	5% 50V	C317	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C202	1-130-489-00	FILM 0.033MF	5% 50V	C318	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C203	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C319	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C204	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C320	1-124-910-11	ELECT 47MF	20% 50V
C205	1-124-907-11	ELECT 10MF	20% 50V	C321	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C206	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	C322	1-124-916-11	ELECT 22MF	20% 50V
C207	1-137-613-11	FILM 0.0018MF	2% 100V	C323	1-163-135-00	CERAMIC CHIP 560PF	5% 50V
C208	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C324	1-124-910-11	ELECT 47MF	20% 50V
C209	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C325	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C210	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C341	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V
C213	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V	C342	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V
C214	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V	C343	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C215	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C344	1-162-638-11	CERAMIC CHIP 1MF	16V
C216	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C345	1-164-346-11	CERAMIC CHIP 1MF	16V
C217	1-124-925-11	ELECT 2.2MF	20% 50V	C347	1-162-638-11	CERAMIC CHIP 1MF	16V
C218	1-124-925-11	ELECT 2.2MF	20% 50V	C348	1-164-346-11	CERAMIC CHIP 1MF	16V
C219	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C349	1-164-346-11	CERAMIC CHIP 1MF	16V
C220	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C350	1-124-907-11	ELECT 10MF	20% 50V
C221	1-124-925-11	ELECT 2.2MF	20% 50V	C351	1-124-443-00	ELECT 100MF	20% 10V
C222	1-124-925-11	ELECT 2.2MF	20% 50V	C353	1-164-346-11	CERAMIC CHIP 1MF	16V
C223	1-136-177-00	FILM 1MF	5% 50V	C354	1-164-346-11	CERAMIC CHIP 1MF	16V
C224	1-136-177-00	FILM 1MF	5% 50V	C355	1-162-638-11	CERAMIC CHIP 1MF	16V
C225	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	C356	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C226	1-163-007-11	CERAMIC CHIP 680PF	10% 50V	C357	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V
C227	1-124-907-11	ELECT 10MF	20% 50V	C358	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V
C228	1-124-907-11	ELECT 10MF	20% 50V	C359	1-124-907-11	ELECT 10MF	20% 50V
C229	1-124-478-11	ELECT 100MF	20% 25V	C361	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C230	1-124-478-11	ELECT 100MF	20% 25V	C362	1-130-772-00	FILM 0.22MF	5% 63V
C231	1-164-346-11	CERAMIC CHIP 1MF	16V	C363	1-124-907-11	ELECT 10MF	20% 50V
C232	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C365	1-124-120-11	ELECT 220MF	20% 16V
C233	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C366	1-124-903-11	ELECT 1MF	20% 50V
C234	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	C368	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C235	1-130-772-00	FILM 0.22MF	5% 63V	C369	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C236	1-124-618-11	ELECT 2200MF	20% 35V	C401	1-164-005-11	CERAMIC CHIP 0.47MF	16V
C237	1-124-618-11	ELECT 2200MF	20% 35V	C402	1-124-917-11	ELECT 33MF	20% 50V
C238	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	C403	1-162-637-11	CERAMIC CHIP 0.47MF	16V
C239	1-130-772-00	FILM 0.22MF	5% 63V	C411	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C240	1-124-903-11	ELECT 1MF	20% 50V	C412	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C241	1-124-903-11	ELECT 1MF	20% 50V	C421	1-124-910-11	ELECT 47MF	20% 50V
C242	1-124-903-11	ELECT 1MF	20% 50V	C422	1-124-910-11	ELECT 47MF	20% 50V
C244	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C423	1-101-004-00	CERAMIC 0.01MF	50V
C248	1-163-185-00	CERAMIC CHIP 150PF	5% 50V	C424	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
C249	1-163-129-00	CERAMIC CHIP 330PF	5% 50V	C425	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
C251	1-126-320-11	ELECT 10MF	20% 16V	C426	1-124-910-11	ELECT 47MF	20% 50V
C254	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C427	1-164-346-11	CERAMIC CHIP 1MF	16V
C255	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C428	1-164-346-11	CERAMIC CHIP 1MF	16V
C256	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C429	1-124-119-00	ELECT 330MF	20% 16V
C257	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C574	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C301	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C575	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V
C302	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C576	1-163-075-00	CERAMIC CHIP 0.047MF	10% 25V
C303	1-164-337-11	CERAMIC CHIP 2.2MF	16V	C581	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C304	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C582	1-124-916-11	ELECT 22MF	20% 50V
C305	1-163-096-00	CERAMIC CHIP 13PF	5% 50V	C583	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C306	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C585	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C307	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C586	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V
C308	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C587	1-124-903-11	ELECT 1MF	20% 50V
C309	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C588	1-164-346-11	CERAMIC CHIP 1MF	16V
C310	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C589	1-126-103-11	ELECT 470MF	20% 16V
C311	1-163-038-91	CERAMIC CHIP 0.1MF	25V				

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C590	1-124-916-11	ELECT 22MF	20% 50V	D306	8-719-400-18	DIODE MA152WK	
C591	1-124-925-11	ELECT 2.2MF	20% 50V	D307	8-719-400-18	DIODE MA152WK	
C592	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D308	8-719-800-76	DIODE 1SS226	
C593	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	D311	8-719-800-76	DIODE 1SS226	
C595	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	D312	8-719-104-34	DIODE 1S2836	
C599	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D313	8-719-400-18	DIODE MA152WK	
C644	1-124-598-11	ELECT 22MF	20% 25V	D381	8-719-110-03	DIODE RD7.5ESB2	
C681	1-124-478-11	ELECT 100MF	20% 25V	D401	8-719-921-69	DIODE MTZJ-9.1	
C682	1-126-516-11	ELECT 120MF	20% 16V	D403	8-719-921-69	DIODE MTZJ-9.1	
C683	1-124-478-11	ELECT 100MF	20% 25V	D405	8-719-921-69	DIODE MTZJ-9.1	
C684	1-124-478-11	ELECT 100MF	20% 25V	D406	8-719-921-69	DIODE MTZJ-9.1	
C685	1-124-478-11	ELECT 100MF	20% 25V	D407	8-719-921-69	DIODE MTZJ-9.1	
C686	1-163-038-91	CERAMIC CHIP 0.1MF	25V	D571	8-719-800-76	DIODE 1SS226	
<FILTER>				D681	8-719-921-75	DIODE MTZN-10B	
CF581	1-577-611-11	OSCILATOR, CERAMIC		D683	8-719-104-34	DIODE 1S2836	
<CONNECTOR>				<IC>			
CN0001*1-568-880-51	PIN, CONNECTOR 5P			IC072	8-759-184-27	IC ST24C16CB1	
CN0101	1-573-297-11	CONNECTOR, BOARD TO BOARD 20P		IC201	8-759-073-30	IC TDA6612	
		(KV-E2543E, E2542U)			8-759-073-31	IC TDA6622 (KV-E2542U)	
CN0102	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P		IC202	8-759-502-21	IC TDA2822M	
CN0103	1-564-511-11	PLUG, CONNECTOR 8P		IC251	8-759-072-99	IC TDA2052	
CN0104	1-564-511-11	PLUG, CONNECTOR 8P		IC261	8-759-072-99	IC TDA2052	
CN0105*1-568-880-51	PIN, CONNECTOR 5P			IC301	8-759-189-90	IC TDA9145/N2B	
CN0106*1-568-880-51	PIN, CONNECTOR 5P			IC302	8-759-084-91	IC TDA4661/V2	
CN0107*1-568-879-11	PIN, CONNECTOR 4P			IC304	8-752-056-54	IC CXA1587S	
CN0108*1-568-878-51	PIN, CONNECTOR 3P			IC401	8-752-062-86	IC CXA1545AS	
CN0109	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		IC402	8-759-073-00	IC TEA2114	
CN0110*1-568-882-51	PIN, CONNECTOR 7P			IC681	8-759-072-98	IC TDA8138A	
CN0111	1-568-882-51	PIN, CONNECTOR 7P		IC684	8-759-701-59	IC NJM78M09FA	
CN0113	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		IC685	8-759-510-52	IC TEA7605	
CN0114*1-568-879-11	PIN, CONNECTOR 4P			<IF BLOCK>			
CN0115*1-564-516-11	PLUG, CONNECTOR 13P			IFB101	1-466-733-11	IF BLOCK (IFH-389)	
CN0116*1-568-879-11	PIN, CONNECTOR 4P				1-466-734-11	IF BLOCK (IFH-395) (KV-E2542U)	
CN0119*1-568-879-11	PIN, CONNECTOR 4P				1-466-735-11	IF BLOCK (IFH-389F) (KV-E2541B)	
CN5108*1-564-513-11	PLUG, CONNECTOR 10P			<COIL>			
<DIODE>				L101	1-412-546-41	INDUCTOR 560UH	
D068	8-719-104-34	DIODE 1S2836		L102	1-408-413-00	INDUCTOR 22UH	
D069	8-719-104-34	DIODE 1S2836		L201	1-407-500-00	INDUCTOR 4.7MMH	
D071	8-719-109-89	DIODE RD5.6ESB2		L306	1-408-405-00	INDUCTOR 4.7UH	
D073	8-719-109-89	DIODE RD5.6ESB2		L307	1-408-405-00	INDUCTOR 4.7UH	
D075	8-719-400-18	DIODE MA152WK		L309	1-408-411-00	INDUCTOR 15UH	
D077	8-719-400-18	DIODE MA152WK		L310	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
D078	8-719-109-89	DIODE RD5.6ESB2		L575	1-408-397-00	INDUCTOR 1UH	
D079	8-719-109-89	DIODE RD5.6ESB2		L611	1-412-539-41	INDUCTOR 150UH	
D101	8-719-982-27	DIODE MTZJ-33C		L681	1-412-539-41	INDUCTOR 150UH	
D206	8-719-400-18	DIODE MA152WK		<IC LINK>			
D207	8-719-921-89	DIODE MTZJ-13C		PS681A	1-532-605-91	LINK, IC 0.4A	
D208	8-719-911-19	DIODE 1SS119		PS682A	1-532-605-91	LINK, IC 0.4A	
D209	8-719-911-19	DIODE 1SS119		<TRANSISTOR>			
D210	8-719-911-19	DIODE 1SS119		Q071	8-729-901-05	TRANSISTOR DTA124EK	
D211	8-719-911-19	DIODE 1SS119		Q101	8-729-216-22	TRANSISTOR 2SA1162-G	
D212	8-719-911-19	DIODE 1SS119		Q102	8-729-901-00	TRANSISTOR DTC124EK	
D213	8-719-400-18	DIODE MA152WK		Q103	8-729-900-53	TRANSISTOR DTC114EK	
D214	8-719-800-76	DIODE 1SS226					
D301	8-719-400-18	DIODE MA152WK					
D302	8-719-104-34	DIODE 1S2836					
D304	8-719-109-89	DIODE RD5.6ESB2					
D305	8-719-400-18	DIODE MA152WK					

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR141	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR142	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR143	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q204	8-729-216-22	TRANSISTOR 2SA1162-G		JR144	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q205	8-729-216-22	TRANSISTOR 2SA1162-G		JR145	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q206	8-729-216-22	TRANSISTOR 2SA1162-G		JR150	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q207	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR151	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q209	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR152	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q210	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR201	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q301	8-729-901-00	TRANSISTOR DTC124EK		JR202	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q302	8-729-216-22	TRANSISTOR 2SA1162-G		JR203	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q303	8-729-216-22	TRANSISTOR 2SA1162-G		JR204	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q304	8-729-900-53	TRANSISTOR DTC114EK		JR205	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q305	8-729-901-01	TRANSISTOR DTC144EK		JR206	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q306	8-729-216-22	TRANSISTOR 2SA1162-G		JR207	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q308	8-729-216-22	TRANSISTOR 2SA1162-G		JR208	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q309	8-729-931-02	TRANSISTOR 2SC2413KQ		JR209	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q311	8-729-901-06	TRANSISTOR DTA144EK		JR210	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q312	8-729-900-53	TRANSISTOR DTC114EK		JR211	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q313	8-729-216-22	TRANSISTOR 2SA1162-G		JR212	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q314	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR213	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q315	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR214	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR215	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR216	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q403	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR217	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q404	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR218	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q581	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR219	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q582	8-729-216-22	TRANSISTOR 2SA1162-G		JR220	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q610	8-729-140-97	TRANSISTOR 2SB734-34		JR221	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q681	8-729-109-53	TRANSISTOR 2SD795A-P		JR222	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q682	8-729-900-53	TRANSISTOR DTC114EK		JR223	1-216-296-00	METAL GLAZE	0 5% 1/8W
<RESISTOR>				JR225	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR101	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR226	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR102	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR227	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR104	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR228	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR107	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR229	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR111	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR230	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR112	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR231	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR113	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR232	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR114	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR233	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR115	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR235	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR116	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR236	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR117	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR237	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR118	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR238	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR119	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR239	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR120	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR240	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR121	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR241	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR122	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR242	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR123	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR243	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR124	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR245	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR125	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR246	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR127	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR247	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR129	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR248	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR130	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR249	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR131	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR250	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR132	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR251	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR133	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR252	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR134	1-216-296-00	METAL GLAZE	0 5% 1/8W	JR253	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR136	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR254	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR137	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR255	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR138	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR256	1-216-296-00	METAL GLAZE	0 5% 1/8W
JR140	1-216-295-00	METAL GLAZE	0 5% 1/10W	JR257	1-216-295-00	METAL GLAZE	0 5% 1/10W
				JR258	1-216-296-00	METAL GLAZE	0 5% 1/8W

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
JR270	1-216-295-00	METAL GLAZE	0 5% 1/10W	R254	1-216-252-00	METAL GLAZE	180K 5% 1/8W
JR272	1-216-295-00	METAL GLAZE	0 5% 1/10W	R255	1-216-252-00	METAL GLAZE	180K 5% 1/8W
JR367	1-216-296-00	METAL GLAZE	0 5% 1/8W	R256	1-249-409-11	CARBON	220 5% 1/4W
R071	1-216-041-00	METAL GLAZE	470 5% 1/10W	R257	1-249-409-11	CARBON	220 5% 1/4W
R072	1-216-033-00	METAL GLAZE	220 5% 1/10W	R258	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R073	1-216-033-00	METAL GLAZE	220 5% 1/10W	R259	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R074	1-216-198-00	METAL GLAZE	1K 5% 1/8W	R260	1-216-212-00	METAL GLAZE	3.9K 5% 1/8W
R076	1-216-057-91	METAL GLAZE	2.2K 5% 1/10W	R301	1-216-041-00	METAL GLAZE	470 5% 1/10W
R077	1-216-025-00	METAL GLAZE	100 5% 1/10W	R302	1-216-041-00	METAL GLAZE	470 5% 1/10W
R101	1-216-025-00	METAL GLAZE	100 5% 1/10W	R303	1-216-174-00	METAL GLAZE	100 5% 1/8W
R102	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R304	1-216-174-00	METAL GLAZE	100 5% 1/8W
R103	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R305	1-216-035-00	METAL GLAZE	270 5% 1/10W
R105	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R306	1-216-035-00	METAL GLAZE	270 5% 1/10W
R108	1-216-230-00	METAL GLAZE	22K 5% 1/8W	R307	1-216-075-00	METAL GLAZE	12K 5% 1/10W
R115	1-216-210-00	METAL GLAZE	3.3K 5% 1/8W	R308	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R201	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R309	1-216-001-00	METAL GLAZE	10 5% 1/10W
R202	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R310	1-216-001-00	METAL GLAZE	10 5% 1/10W
R203	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W	R311	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R204	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R312	1-249-413-11	CARBON	470 5% 1/4W
R205	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R313	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R206	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R314	1-249-409-11	CARBON	220 5% 1/4W
R207	1-216-057-91	METAL GLAZE	2.2K 5% 1/10W	R315	1-249-409-11	CARBON	220 5% 1/4W
R208	1-216-057-91	METAL GLAZE	2.2K 5% 1/10W	R316	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R209	1-249-377-11	CARBON	0.47 5% 1/4W F	R317	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R210	1-247-734-11	CARBON	39 5% 1/2W	R318	1-216-041-00	METAL GLAZE	470 5% 1/10W
R211	1-247-734-11	CARBON	39 5% 1/2W	R319	1-249-413-11	CARBON	470 5% 1/4W
R212	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R320	1-216-174-00	METAL GLAZE	100 5% 1/8W
R213	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R321	1-216-039-00	METAL GLAZE	390 5% 1/10W
R214	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R322	1-216-041-00	METAL GLAZE	470 5% 1/10W
R215	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R324	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R216	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R325	1-216-041-00	METAL GLAZE	470 5% 1/10W
R217	1-216-045-00	METAL GLAZE	680 5% 1/10W	R326	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R218	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R328	1-216-025-00	METAL GLAZE	100 5% 1/10W
R221	1-212-849-00	FUSIBLE	4.7 5% 1/4W F	R329	1-216-023-00	METAL GLAZE	82 5% 1/10W
R222	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R330	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R223	1-216-045-00	METAL GLAZE	680 5% 1/10W	R331	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R224	1-249-433-11	CARBON	22K 5% 1/4W	R333	1-216-182-91	METAL GLAZE	220 5% 1/8W
R225	1-212-849-00	FUSIBLE	4.7 5% 1/4W F	R334	1-216-182-91	METAL GLAZE	220 5% 1/8W
R226	1-249-412-11	CARBON	390 5% 1/4W	R336	1-216-029-00	METAL GLAZE	150 5% 1/10W
R227	1-216-081-00	METAL GLAZE	22K 5% 1/10W		1-216-178-00	METAL GLAZE	150 5% 1/8W
R228	1-216-081-00	METAL GLAZE	22K 5% 1/10W				(KV-E2541A, E2541D, E2543E)
R229	1-216-039-00	METAL GLAZE	390 5% 1/10W				(KV-E2541B, E2542U)
R230	1-216-246-91	METAL GLAZE	100K 5% 1/8W	R337	1-216-041-00	METAL GLAZE	470 5% 1/10W
R231	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R338	1-216-035-00	METAL GLAZE	270 5% 1/10W
R232	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R339	1-216-025-00	METAL GLAZE	100 5% 1/10W
R233	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R340	1-216-025-00	METAL GLAZE	100 5% 1/10W
R234	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R341	1-216-025-00	METAL GLAZE	100 5% 1/10W
R235	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R342	1-216-033-00	METAL GLAZE	220 5% 1/10W
R236	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R343	1-216-022-00	METAL GLAZE	75 5% 1/10W
R237	1-216-025-00	METAL GLAZE	100 5% 1/10W	R344	1-216-022-00	METAL GLAZE	75 5% 1/10W
R238	1-216-025-00	METAL GLAZE	100 5% 1/10W	R345	1-216-171-00	METAL GLAZE	75 5% 1/8W
R239	1-216-295-00	METAL GLAZE	0 5% 1/10W	R346	1-216-022-00	METAL GLAZE	75 5% 1/10W
R241	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R347	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R242	1-216-214-00	METAL GLAZE	4.7K 5% 1/8W	R351	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R244	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R352	1-216-033-00	METAL GLAZE	220 5% 1/10W
R245	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R354	1-216-033-00	METAL GLAZE	220 5% 1/10W
R246	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R355	1-216-033-00	METAL GLAZE	220 5% 1/10W
R247	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R356	1-216-033-00	METAL GLAZE	220 5% 1/10W
R248	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R357	1-216-041-00	METAL GLAZE	470 5% 1/10W
R249	1-216-045-00	METAL GLAZE	680 5% 1/10W	R358	1-216-031-00	METAL GLAZE	180 5% 1/10W
R250	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R359	1-216-033-00	METAL GLAZE	220 5% 1/10W
R251	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R360	1-216-033-00	METAL GLAZE	220 5% 1/10W
R252	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R361	1-216-033-00	METAL GLAZE	220 5% 1/10W
R253	1-216-073-00	METAL GLAZE	10K 5% 1/10W				

A**IF (KV-E2541A/E2541D/
E2543E)**

Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifique.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R362	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R594	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R365	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R595	1-216-643-11	METAL CHIP	470 0.50% 1/10W
R366	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W	R596	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W
R368	1-216-033-00	METAL GLAZE	220 5% 1/10W	R597	1-216-230-00	METAL GLAZE	22K 5% 1/8W
R369	1-216-033-00	METAL GLAZE	220 5% 1/10W	R600	1-216-025-00	METAL GLAZE	100 5% 1/10W
R370	1-216-033-00	METAL GLAZE	220 5% 1/10W	R616	1-216-184-00	METAL GLAZE	270 5% 1/8W
R371	1-216-033-00	METAL GLAZE	220 5% 1/10W	R619	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R373	1-216-017-00	METAL GLAZE	47 5% 1/10W	R628	1-249-413-11	CARBON	470 5% 1/4W
R376	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R632	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R377	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R681	1-216-397-11	METAL OXIDE	4.7 5% 3W F
R378	1-216-057-91	METAL GLAZE	2.2K 5% 1/10W	R682	1-249-415-11	CARBON	680 5% 1/4W
R379	1-216-206-00	METAL GLAZE	2.2K 5% 1/8W	R683	1-216-295-00	METAL GLAZE	0 5% 1/10W
R380	1-216-057-91	METAL GLAZE	2.2K 5% 1/10W	R2219	1-216-174-00	METAL GLAZE	100 5% 1/8W
R381	1-216-164-00	METAL GLAZE	39 5% 1/8W	R2220	1-216-174-00	METAL GLAZE	100 5% 1/8W
R382	1-216-164-00	METAL GLAZE	39 5% 1/8W	R2221	1-216-174-00	METAL GLAZE	100 5% 1/8W
R383	1-216-164-00	METAL GLAZE	39 5% 1/8W	R2222	1-216-174-00	METAL GLAZE	100 5% 1/8W
R384	1-216-025-00	METAL GLAZE	100 5% 1/10W	<TUNER>			
R386	1-216-073-00	METAL GLAZE	10K 5% 1/10W	TU101A	1-693-184-11	TUNER (U944C) (KV-E2542U)	
R387	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	Δ 1-693-185-11	TUNER (UV916H)	(KV-E2541A, E2541D, E2543E)	
R388	1-216-073-00	METAL GLAZE	10K 5% 1/10W	Δ 8-598-045-00	SONY ET TUNER (88TP-BC411)	(KV-E2541B)	
R389	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	<CRYSTAL>			
R390	1-216-083-00	METAL GLAZE	27K 5% 1/10W	X301	1-567-504-11	OSCILLATOR, CRYSTAL	
R401	1-216-171-00	METAL GLAZE	75 5% 1/8W	X302	1-567-505-11	OSCILLATOR, CRYSTAL	
R402	1-216-158-00	METAL GLAZE	22 5% 1/8W	*****			
R403	1-216-025-00	METAL GLAZE	100 5% 1/10W	1-466-733-11	IF BLOCK (IFH-389)		
R404	1-216-158-00	METAL GLAZE	22 5% 1/8W	*****			
R405	1-216-025-00	METAL GLAZE	100 5% 1/10W	(KV-E2541A, E2541D, E2543E)			
R406	1-216-158-00	METAL GLAZE	22 5% 1/8W	<CAPACITOR>			
R407	1-216-025-00	METAL GLAZE	100 5% 1/10W	C101	1-163-121-00	CERAMIC CHIP	150PF 5% 50V
R408	1-216-093-00	METAL GLAZE	68K 5% 1/10W	C102	1-164-222-11	CERAMIC CHIP	0.22MF 25V
R410	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W	C103	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R411	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W	C104	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R412	1-216-022-00	METAL GLAZE	75 5% 1/10W	C105	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R413	1-216-022-00	METAL GLAZE	75 5% 1/10W	C106	1-124-477-11	ELECT	47MF 20% 16V
R414	1-216-022-00	METAL GLAZE	75 5% 1/10W	C107	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R416	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C108	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R417	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W	C109	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R419	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C112	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R420	1-216-067-91	METAL GLAZE	5.6K 5% 1/10W	C113	1-163-101-00	CERAMIC CHIP	22PF 5% 50V
R423	1-216-015-00	METAL GLAZE	39 5% 1/10W	C114	1-124-477-11	ELECT	47MF 20% 16V
R424	1-216-025-00	METAL GLAZE	100 5% 1/10W	C115	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R425	1-216-025-00	METAL GLAZE	100 5% 1/10W	C116	1-164-346-11	CERAMIC CHIP	1MF 16V
R426	1-216-025-00	METAL GLAZE	100 5% 1/10W	C118	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R427	1-216-025-00	METAL GLAZE	100 5% 1/10W	C119	1-163-369-11	CERAMIC CHIP	47PF 5% 50V
R428	1-249-393-11	CARBON	10 5% 1/4W F	C121	1-163-235-11	CERAMIC CHIP	22PF 5% 50V
R572	1-216-198-00	METAL GLAZE	1K 5% 1/8W	C122	1-163-239-11	CERAMIC CHIP	33PF 5% 50V
R574	1-216-041-00	METAL GLAZE	470 5% 1/10W	C123	1-163-235-11	CERAMIC CHIP	22PF 5% 50V
R575	1-216-186-00	METAL GLAZE	330 5% 1/8W	C124	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R577	1-216-089-91	METAL GLAZE	47K 5% 1/10W	C130	1-216-295-00	METAL GLAZE	0 5% 1/10W
R578	1-216-228-00	METAL GLAZE	18K 5% 1/8W	C131	1-163-093-00	CERAMIC CHIP	10PF 5% 50V
R580	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C133	1-124-477-11	ELECT	47MF 20% 16V
R581	1-216-033-00	METAL GLAZE	220 5% 1/10W	C152	1-164-337-11	CERAMIC CHIP	2.2MF 16V
R582	1-216-037-00	METAL GLAZE	330 5% 1/10W	C153	1-164-337-11	CERAMIC CHIP	2.2MF 16V
R583	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C154	1-164-337-11	CERAMIC CHIP	2.2MF 16V
R584	1-216-039-00	METAL GLAZE	390 5% 1/10W	C155	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R585	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C156	1-124-477-11	ELECT	47MF 20% 16V
R586	1-216-047-00	METAL GLAZE	820 5% 1/10W				
R587	1-216-047-00	METAL GLAZE	820 5% 1/10W				
R588	1-216-101-00	METAL GLAZE	150K 5% 1/10W				
R589	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R590	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R591	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R592	1-216-232-00	METAL GLAZE	27K 5% 1/8W				
R593	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W				

IF (KV-E2541A/E2541D/
E2543E)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C161	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	JR2	1-216-295-00	METAL GLAZE	0 5% 1/10W
C162	1-164-222-11	CERAMIC CHIP 0.22MF	25V	JR3	1-216-296-00	METAL GLAZE	0 5% 1/8W
C163	1-164-346-11	CERAMIC CHIP 1MF	16V	JR4	1-216-295-00	METAL GLAZE	0 5% 1/10W
C164	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	JR7	1-216-295-00	METAL GLAZE	0 5% 1/10W
C165	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	JR8	1-216-295-00	METAL GLAZE	0 5% 1/10W
C166	1-124-477-11	ELECT 47MF	20% 16V	JR9	1-216-296-00	METAL GLAZE	0 5% 1/8W
C167	1-163-213-00	CERAMIC CHIP 0.0022MF	5% 50V	JR11	1-216-296-00	METAL GLAZE	0 5% 1/8W
C168	1-164-346-11	CERAMIC CHIP 1MF	16V	JR14	1-216-296-00	METAL GLAZE	0 5% 1/8W
C170	1-124-477-11	ELECT 47MF	20% 16V	JR16	1-216-295-00	METAL GLAZE	0 5% 1/10W
C171	1-124-477-11	ELECT 47MF	20% 16V	JR18	1-216-295-00	METAL GLAZE	0 5% 1/10W
C172	1-124-477-11	ELECT 47MF	20% 16V	JR19	1-216-296-00	METAL GLAZE	0 5% 1/8W
C173	1-124-477-11	ELECT 47MF	20% 16V	JR20	1-216-296-00	METAL GLAZE	0 5% 1/8W
<FILTER>				JR21	1-216-296-00	METAL GLAZE	0 5% 1/8W
CF2	1-527-839-00	FILTER, CERAMIC		JR23	1-216-296-00	METAL GLAZE	0 5% 1/8W
CF3	1-527-840-00	FILTER, CERAMIC		JR24	1-216-296-00	METAL GLAZE	0 5% 1/8W
CF4	1-567-570-11	FILTER, CERAMIC		JR25	1-216-296-00	METAL GLAZE	0 5% 1/8W
SWF1	1-579-658-11	FILTER, SAWTOOTH WAVE		JR29	1-216-296-00	METAL GLAZE	0 5% 1/8W
<CONNECTOR>				JR30	1-216-295-00	METAL GLAZE	0 5% 1/10W
CN1	1-750-173-11	PIN, CONNECTOR (PC BOARD) 10P		JR33	1-216-295-00	METAL GLAZE	0 5% 1/10W
CN2	1-750-173-11	PIN, CONNECTOR (PC BOARD) 10P		JR38	1-216-296-00	METAL GLAZE	0 5% 1/8W
<TRIMMER>				JR39	1-216-296-00	METAL GLAZE	0 5% 1/8W
CT1	1-404-801-11	TRAP, CERAMIC		JR40	1-216-296-00	METAL GLAZE	0 5% 1/8W
<DIODE>				R101	1-216-075-00	METAL GLAZE	12K 5% 1/10W
D161	8-719-400-18	DIODE MA152WK		R102	1-216-073-00	METAL GLAZE	10K 5% 1/10W
<IC>				R103	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
IC1	8-759-070-76	IC M52308SP		R104	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
IC2	8-759-070-71	IC TDA9820		R106	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC3	8-759-514-54	IC BA7046		R107	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
<COIL>				R108	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
L101	1-408-421-00	INDUCTOR 100UH		R110	1-216-041-00	METAL GLAZE	470 5% 1/10W
L102	1-408-419-00	INDUCTOR 68UH		R113	1-216-031-00	METAL GLAZE	180 5% 1/10W
L103	1-408-419-00	INDUCTOR 68UH		R114	1-216-049-00	METAL GLAZE	1K 5% 1/10W
L104	1-408-408-00	INDUCTOR 8.2UH		R115	1-216-027-00	METAL GLAZE	120 5% 1/10W
L121	1-408-413-00	INDUCTOR 22UH		R116	1-216-101-00	METAL GLAZE	150K 5% 1/10W
L122	1-408-420-00	INDUCTOR 82UH		R117	1-216-097-00	METAL GLAZE	100K 5% 1/10W
L142	1-410-790-41	INDUCTOR 0.56UH		R118	1-216-117-00	METAL GLAZE	680K 5% 1/10W
L151	1-408-419-00	INDUCTOR 68UH		R119	1-216-240-00	METAL GLAZE	56K 5% 1/8W
L161	1-408-419-00	INDUCTOR 68UH		R120	1-216-075-00	METAL GLAZE	12K 5% 1/10W
<TRANSISTOR>				R121	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R122	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
Q102	8-729-216-22	TRANSISTOR 2SA1162-G		R123	1-216-075-00	METAL GLAZE	12K 5% 1/10W
Q121	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R124	1-216-041-00	METAL GLAZE	470 5% 1/10W
Q122	8-729-216-22	TRANSISTOR 2SA1162-G		R125	1-216-041-00	METAL GLAZE	470 5% 1/10W
Q161	8-729-216-22	TRANSISTOR 2SA1162-G		R127	1-216-047-00	METAL GLAZE	820 5% 1/10W
Q170	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R130	1-216-049-00	METAL GLAZE	1K 5% 1/10W
Q171	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R131	1-216-025-00	METAL GLAZE	100 5% 1/10W
Q172	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R132	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
Q173	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R133	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
<RESISTOR>				R134	1-216-049-00	METAL GLAZE	1K 5% 1/10W
				R135	1-216-198-00	METAL GLAZE	1K 5% 1/8W
				R150	1-216-043-00	METAL GLAZE	560 5% 1/10W
				R151	1-216-043-00	METAL GLAZE	560 5% 1/10W
				R152	1-216-043-00	METAL GLAZE	560 5% 1/10W
				R153	1-216-025-00	METAL GLAZE	100 5% 1/10W
				R154	1-216-049-00	METAL GLAZE	1K 5% 1/10W
				R155	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
				R156	1-216-083-00	METAL GLAZE	27K 5% 1/10W
				R157	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
				R159	1-216-107-00	METAL GLAZE	270K 5% 1/10W
				R160	1-216-049-00	METAL GLAZE	1K 5% 1/10W
				R161	1-218-755-11	METAL CHIP	130K 0.50% 1/10W
				R162	1-216-073-00	METAL GLAZE	10K 5% 1/10W
				R163	1-216-113-00	METAL GLAZE	470K 5% 1/10W

IF (KV-E2541A/E2541D/
E2543E)

IF (KV-E2542U)

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R164	1-216-113-00	METAL GLAZE 470K 5%	1/10W			<FILTER>	
R165	1-216-081-00	METAL GLAZE 22K 5%	1/10W	CD1	1-579-657-21	DISCRIMINATOR, CERAMIC	
R166	1-216-049-00	METAL GLAZE 1K 5%	1/10W	CF1	1-567-569-11	FILTER, CERAMIC	
R167	1-216-073-00	METAL GLAZE 10K 5%	1/10W	SWF1	1-579-659-11	FILTER, SAWTOOTH WAVE	
R168	1-216-113-00	METAL GLAZE 470K 5%	1/10W			<CONNECTOR>	
R169	1-216-049-00	METAL GLAZE 1K 5%	1/10W	CN1	1-750-173-11	PIN, CONNECTOR (PC BOARD) 10P	
R170	1-216-083-00	METAL GLAZE 27K 5%	1/10W	CN2	1-750-173-11	PIN, CONNECTOR (PC BOARD) 10P	
R171	1-216-075-00	METAL GLAZE 12K 5%	1/10W			<TRIMMER>	
R172	1-216-095-00	METAL GLAZE 82K 5%	1/10W	CT1	1-409-333-00	TRAP, CERAMIC (6.0MHZ)	
R173	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W			<DIODE>	
R174	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	D161	8-719-400-18	DIODE MA152WK	
R175	1-216-083-00	METAL GLAZE 27K 5%	1/10W			<IC>	
R176	1-216-075-00	METAL GLAZE 12K 5%	1/10W	IC1	8-759-070-76	IC M52308SP	
R177	1-216-095-00	METAL GLAZE 82K 5%	1/10W	IC3	8-759-514-54	IC BA7046	
R178	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W			<COIL>	
R179	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	L101	1-408-414-00	INDUCTOR 27UH	
R180	1-216-037-00	METAL GLAZE 330 5%	1/10W	L102	1-408-419-00	INDUCTOR 68UH	
R181	1-216-037-00	METAL GLAZE 330 5%	1/10W	L103	1-408-419-00	INDUCTOR 68UH	
		<VARIABLE RESISTOR>		L104	1-408-406-00	INDUCTOR 5.6UH	
RV1	1-241-121-11	RES, ADJ, CARBON 4.7K		L105	1-408-410-00	INDUCTOR 12UH	
		<TRANSFORMER>		L142	1-410-790-41	INDUCTOR 0.56UH	
T4	1-416-017-21	COIL		L161	1-408-419-00	INDUCTOR 68UH	
T5	1-416-018-21	COIL				<TRANSISTOR>	
*****				Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
	1-466-734-11	IF BLOCK (IFH-395) (KV-E2542U)		Q102	8-729-216-22	TRANSISTOR 2SA1162-G	
		*****		Q122	8-729-216-22	TRANSISTOR 2SA1162-G	
		<CAPACITOR>		Q161	8-729-216-22	TRANSISTOR 2SA1162-G	
C101	1-163-239-11	CERAMIC CHIP 33PF 5%	50V	Q172	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C102	1-164-222-11	CERAMIC CHIP 0.22MF	25V	Q173	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C103	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V			<RESISTOR>	
C104	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V	JR1	1-216-296-00	METAL GLAZE 0 5%	1/8W
C105	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V	JR2	1-216-295-00	METAL GLAZE 0 5%	1/10W
C106	1-124-477-11	ELECT 47MF 20%	16V	JR3	1-216-296-00	METAL GLAZE 0 5%	1/8W
C107	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V	JR4	1-216-295-00	METAL GLAZE 0 5%	1/10W
C108	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V	JR7	1-216-295-00	METAL GLAZE 0 5%	1/10W
C109	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V	JR8	1-216-295-00	METAL GLAZE 0 5%	1/10W
C112	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V	JR9	1-216-296-00	METAL GLAZE 0 5%	1/8W
C113	1-163-101-00	CERAMIC CHIP 22PF 5%	50V	JR10	1-216-296-00	METAL GLAZE 0 5%	1/8W
C114	1-124-477-11	ELECT 47MF 20%	16V	JR11	1-216-296-00	METAL GLAZE 0 5%	1/8W
C115	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V	JR12	1-216-295-00	METAL GLAZE 0 5%	1/10W
C116	1-164-346-11	CERAMIC CHIP 1MF 16V		JR13	1-163-093-00	CERAMIC CHIP 10PF 5%	50V
C118	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V	JR14	1-216-296-00	METAL GLAZE 0 5%	1/8W
C119	1-163-369-11	CERAMIC CHIP 47PF 5%	50V	JR16	1-216-295-00	METAL GLAZE 0 5%	1/10W
C122	1-163-093-00	CERAMIC CHIP 10PF 5%	50V	JR18	1-216-295-00	METAL GLAZE 0 5%	1/10W
C130	1-216-295-00	METAL GLAZE 0 5%	1/10W	JR19	1-216-296-00	METAL GLAZE 0 5%	1/8W
C131	1-163-224-11	CERAMIC CHIP 7PF 0.25PF 50V		JR20	1-216-296-00	METAL GLAZE 0 5%	1/8W
C133	1-124-477-11	ELECT 47MF 20%	16V	JR21	1-216-296-00	METAL GLAZE 0 5%	1/8W
C161	1-163-117-00	CERAMIC CHIP 100PF 5%	50V				
C162	1-164-222-11	CERAMIC CHIP 0.22MF 25V					
C163	1-164-346-11	CERAMIC CHIP 1MF 16V					
C164	1-163-141-00	CERAMIC CHIP 0.001MF 5%	50V				
C165	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V				
C166	1-124-477-11	ELECT 47MF 20%	16V				
C167	1-163-213-00	CERAMIC CHIP 0.0022MF 5%	50V				
C168	1-164-346-11	CERAMIC CHIP 1MF 16V					
C170	1-124-477-11	ELECT 47MF 20%	16V				
C171	1-124-477-11	ELECT 47MF 20%	16V				

IF(KV-E2542U)

IF(KV-E2541B)

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR23	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR24	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR25	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR29	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR30	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR33	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR38	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR39	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR40	1-216-296-00	METAL GLAZE 0 5% 1/8W	
JR41	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR42	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR101	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R101	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R102	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R103	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R104	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R105	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R106	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R107	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R108	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R110	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R112	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R113	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R114	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R115	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R116	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R117	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R118	1-216-117-00	METAL GLAZE 680K 5% 1/10W	
R119	1-216-240-00	METAL GLAZE 56K 5% 1/8W	
R120	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R121	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R122	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R123	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R130	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R131	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R132	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R133	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R134	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R135	1-216-198-00	METAL GLAZE 1K 5% 1/8W	
R153	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R159	1-216-107-00	METAL GLAZE 270K 5% 1/10W	
R160	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R161	1-218-755-11	METAL CHIP 130K 0.50% 1/10W	
R162	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R163	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R164	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R165	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R166	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R167	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R168	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R169	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R175	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R176	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R177	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R178	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R179	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R181	1-216-037-00	METAL GLAZE 330 5% 1/10W	

<VARIABLE RESISTOR>

RV1 1-241-121-11 RES, ADJ, CARBON 4.7K

<TRANSFORMER>

REF.NO.	PART NO.	DESCRIPTION	REMARK
T4	1-416-017-21	COIL	
T5	1-416-018-21	COIL	

	1-466-735-11	IF BLOCK (IFH-389F) (KV-E2541B)	

<CAPACITOR>			
C1	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C2	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C3	1-124-903-11	ELECT 1MF	20% 50V
C4	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C5	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C6	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C7	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C8	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C9	1-124-916-11	ELECT 22MF	20% 25V
C10	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C11	1-124-477-11	ELECT 47MF	20% 16V
C13	1-163-059-00	CERAMIC CHIP 0.01MF	10% 50V
C14	1-124-477-11	ELECT 47MF	20% 16V
C15	1-124-903-11	ELECT 1MF	20% 50V
C16	1-163-061-00	CERAMIC CHIP 0.015MF	10% 50V
C17	1-162-638-11	CERAMIC CHIP 1MF	16V
C18	1-162-638-11	CERAMIC CHIP 1MF	16V
C19	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C20	1-124-902-00	ELECT 0.47MF	20% 50V
C21	1-124-903-11	ELECT 1MF	20% 50V
C22	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C23	1-124-902-00	ELECT 0.47MF	20% 50V
C24	1-164-506-11	CERAMIC CHIP 4.7MF	16V
C25	1-124-477-11	ELECT 47MF	20% 16V
C26	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C27	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C28	1-124-477-11	ELECT 47MF	20% 16V
C33	1-124-907-11	ELECT 10MF	20% 50V
C34	1-124-907-11	ELECT 10MF	20% 50V
C35	1-124-925-11	ELECT 2.2MF	20% 50V
C36	1-124-477-11	ELECT 47MF	20% 16V
C37	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C38	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C40	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C71	1-124-477-11	ELECT 47MF	20% 16V
C72	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C80	1-124-477-11	ELECT 47MF	20% 16V
C83	1-124-477-11	ELECT 47MF	20% 16V
C84	1-124-477-11	ELECT 47MF	20% 16V
C85	1-124-477-11	ELECT 47MF	20% 16V
C86	1-124-477-11	ELECT 47MF	20% 16V
C87	1-124-477-11	ELECT 47MF	20% 16V
C91	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C95	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C101	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C102	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C104	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C105	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C106	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C121	1-126-176-11	ELECT 220MF	20% 10V
C122	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C131	1-126-099-11	ELECT 2.2MF	20% 35V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<FILTER>				<RESISTOR>			
CF1	1-527-839-00	FILTER, CERAMIC		JR2	1-216-295-00	METAL GLAZE 0 5% 1/10W	
CF2	1-567-569-11	FILTER, CERAMIC		JR3	1-216-296-00	METAL GLAZE 0 5% 1/8W	
CF3	1-527-840-00	FILTER, CERAMIC		JR5	1-216-296-00	METAL GLAZE 0 5% 1/8W	
CF4	1-567-570-11	FILTER, CERAMIC		R1	1-216-025-00	METAL GLAZE 100 5% 1/10W	
SWF1	1-579-662-11	FILTER, SURFACE WAVE		R2	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
SWF3	1-404-711-11	SAWF		R3	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
SWF4	1-579-660-11	FILTER, SAWTOOTH WAVE		R4	1-216-041-00	METAL GLAZE 470 5% 1/10W	
<CONNECTOR>				R5	1-216-021-00	METAL GLAZE 68 5% 1/10W	
CN1	1-750-173-11	PIN, CONNECTOR (PC BOARD) 10P		R6	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
CN2	1-750-173-11	PIN, CONNECTOR (PC BOARD) 10P		R8	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
<TRIMMER>				R9	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
CT1	1-404-801-11	TRAP, CERAMIC		R10	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
CT2	1-409-429-11	TRAP, CERAMIC		R11	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
CV1	1-141-245-00	CAP, TRIMMER		R24	1-216-280-00	METAL GLAZE 2.7M 5% 1/8W	
CV2	1-141-245-00	CAP, TRIMMER		R25	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
CV3	1-141-304-21	TRIMMER, CERAMIC		R26	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
<DIODE>				R27	1-216-266-00	METAL GLAZE 680K 5% 1/8W	
D7	8-719-421-57	DIODE MA73-TX		R28	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
D8	8-719-421-57	DIODE MA73-TX		R29	1-216-035-00	METAL GLAZE 270 5% 1/10W	
D9	8-719-421-57	DIODE MA73-TX		R30	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<IC>				R31	1-216-017-00	METAL GLAZE 47 5% 1/10W	
IC1	8-759-070-75	IC M52312SP		R32	1-216-043-00	METAL GLAZE 560 5% 1/10W	
IC2	8-759-070-71	IC TDA9820		R33	1-216-037-00	METAL GLAZE 330 5% 1/10W	
IC3	8-759-979-62	IC PCF8574		R34	1-216-252-00	METAL GLAZE 180K 5% 1/8W	
<COIL>				R35	1-216-035-00	METAL GLAZE 270 5% 1/10W	
L1	1-408-419-00	INDUCTOR 68UH		R36	1-216-029-00	METAL GLAZE 150 5% 1/10W	
L2	1-408-419-00	INDUCTOR 68UH		R37	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
L3	1-408-407-00	INDUCTOR 6.8UH		R38	1-216-099-00	METAL GLAZE 120K 5% 1/10W	
L4	1-408-419-00	INDUCTOR 68UH		R39	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
L5	1-408-419-00	INDUCTOR 68UH		R40	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
L7	1-408-406-00	INDUCTOR 5.6UH		R42	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
L9	1-408-419-00	INDUCTOR 68UH		R43	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
L71	1-408-419-00	INDUCTOR 68UH		R44	1-216-027-00	METAL GLAZE 120 5% 1/10W	
L101	1-408-399-00	INDUCTOR 1.5UH		R45	1-216-041-00	METAL GLAZE 470 5% 1/10W	
L121	1-408-407-00	INDUCTOR 6.8UH		R46	1-216-031-00	METAL GLAZE 180 5% 1/10W	
<TRANSISTOR>				R47	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
Q1	8-729-907-06	TRANSISTOR BF199-AMMO		R48	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
Q4	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R49	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
Q5	8-729-115-10	TRANSISTOR 2SK105A-10		R53	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
Q6	8-729-900-52	TRANSISTOR DTC114YK		R54	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q7	8-729-216-22	TRANSISTOR 2SA1162-G		R55	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q8	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R56	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
Q10	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R57	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
Q11	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R58	1-216-041-00	METAL GLAZE 470 5% 1/10W	
Q12	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R59	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q13	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R60	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q14	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R61	1-216-295-00	METAL GLAZE 0 5% 1/10W	
Q15	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R63	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q16	8-729-216-22	TRANSISTOR 2SA1162-G		R71	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
Q101	8-729-104-80	TRANSISTOR 2SC3355		R72	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
Q121	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R73	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R74	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
				R75	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
				R76	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R77	1-216-174-00	METAL GLAZE 100 5% 1/8W	
				R81	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
				R82	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
				R83	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R84	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
				R85	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
				R86	1-216-689-11	METAL GLAZE 39K 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R87	1-216-095-00	METAL GLAZE 82K 5%	1/10W	C016	1-163-141-00	CERAMIC CHIP 0.001MF 5%	50V
R88	1-216-095-00	METAL GLAZE 82K 5%	1/10W	C017	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R89	1-216-095-00	METAL GLAZE 82K 5%	1/10W	C018	1-164-505-11	CERAMIC CHIP 2.2MF	16V
R90	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C019	1-124-916-11	ELECT 22MF	20% 50V
R91	1-216-295-00	METAL GLAZE 0 5%	1/10W	C020	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
R92	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C021	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R93	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C022	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R94	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	C023	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R95	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	C024	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R96	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	C025	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R97	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C026	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R98	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C032	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
R99	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C035	1-163-033-00	CERAMIC CHIP 0.022MF	50V
R100	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	C036	1-164-005-11	CERAMIC CHIP 0.47MF	25V
R102	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	C037	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
R103	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W	C039	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V
R104	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C041	1-162-638-11	CERAMIC CHIP 1MF	16V
R105	1-216-033-00	METAL GLAZE 220 5%	1/10W	C042	1-164-346-11	CERAMIC CHIP 1MF	16V
R121	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C522	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R122	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	C523	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
R123	1-216-041-00	METAL GLAZE 470 5%	1/10W	C524	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
R124	1-216-041-00	METAL GLAZE 470 5%	1/10W	C525	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R125	1-216-041-00	METAL GLAZE 470 5%	1/10W	C528	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
R301	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C529	1-163-169-00	CERAMIC CHIP 33PF	5% 50V
R302	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C541	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R303	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C542	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
R304	1-216-037-00	METAL GLAZE 330 5%	1/10W	C543	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
R305	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C544	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
R306	1-216-025-00	METAL GLAZE 100 5%	1/10W	C546	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R307	1-216-037-00	METAL GLAZE 330 5%	1/10W	C547	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V
R308	1-216-037-00	METAL GLAZE 330 5%	1/10W	C549	1-163-989-11	CERAMIC CHIP 0.033MF	10% 25V
		<VARIABLE RESISTOR>		C550	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
RV2	1-241-120-11	RES, ADJ, CARBON 2.2K		C559	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
		<TRANSFORMER>		C560	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
T1	1-404-806-21	COIL		C563	1-163-031-11	CERAMIC CHIP 0.01MF	50V
T3	1-416-012-11	COIL		C564	1-163-031-11	CERAMIC CHIP 0.01MF	50V
T4	1-416-012-11	COIL		C566	1-163-031-11	CERAMIC CHIP 0.01MF	50V
T5	1-402-720-11	COIL		C567	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
		<CRYSTAL>		C568	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
X1	1-579-648-21	VIBRATOR, CERAMIC		C569	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
		*****		C570	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V
		*A-1635-006-A M1 BOARD, COMPLETE		C2001	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
		*****		C2002	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
		<CAPACITOR>		C2003	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C001	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2004	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C002	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2005	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C003	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2006	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C004	1-164-222-11	CERAMIC CHIP 0.22MF	25V	C2008	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C007	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2009	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C008	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2010	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C010	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2011	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C011	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2012	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C012	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2014	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C014	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C2015	1-164-349-11	CERAMIC CHIP 0.18MF	10% 25V
				C2016	1-164-222-11	CERAMIC CHIP 0.22MF	25V
				C2017	1-164-222-11	CERAMIC CHIP 0.22MF	25V
				C2018	1-164-505-11	CERAMIC CHIP 2.2MF	16V
				C2019	1-124-916-11	ELECT 22MF	20% 50V
				C2020	1-164-222-11	CERAMIC CHIP 0.22MF	25V
				C2021	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
				C2022	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
				C2023	1-124-907-11	ELECT 10MF	20% 50V
				C2024	1-163-117-00	CERAMIC CHIP 100PF	5% 50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C2025	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	R004	1-216-049-00	METAL GLAZE 1K 5% 1/10W
C2027	1-164-222-11	CERAMIC CHIP 0.22MF	5%	25V	R005	1-216-295-00	METAL GLAZE 0 5% 1/10W
<FILTER>				R006	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
CD001	1-577-364-11	VIBRATOR, CERAMIC		R007	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
<CONNECTOR>				R008	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
CN1413	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		R010	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
CN1426*	1-568-881-51	PIN, CONNECTOR 6P		R011	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
CN1432*	1-568-882-51	PIN, CONNECTOR 7P		R012	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
CN1435*	1-568-882-51	PIN, CONNECTOR 7P		R013	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<DIODE>				R014	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
D001	8-719-027-82	DIODE MA3039H-TX		R016	1-216-045-00	METAL GLAZE 680 5% 1/10W	
D2001	8-719-036-58	DIODE MA3030-H(TX)		R017	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
D2002	8-719-401-31	DIODE MA3047L-TX		R018	1-216-041-00	METAL GLAZE 470 5% 1/10W	
D2003	8-719-104-34	DIODE 1S2836		R019	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<IC>				R020	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
IC001	8-759-168-52	IC SDA30C162-GEG		R021	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
IC002	8-759-167-62	IC TMS27PC010A-15FML		R022	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
	1-750-797-11	SOCKET, PLCC ; IC002		R023	1-216-025-00	METAL GLAZE 100 5% 1/10W	
IC561	8-752-347-92	IC CXD2018Q		R024	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
IC562	8-759-998-98	IC LM358D		R025	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
IC563	8-759-708-05	IC NJM78L05A		R026	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
IC2001	8-759-708-05	IC NJM78L05A		R027	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
IC2002	8-759-181-21	IC SDA5273-B19-GEG		R028	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
IC2003	8-759-188-60	IC MB81C4256A-70PSZ		R030	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
IC2004	8-759-170-67	IC SDA9085		R032	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<COIL>				R033	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
L001	1-408-421-00	INDUCTOR 100UH		R034	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
L561	1-408-409-00	INDUCTOR 10UH		R035	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
L562	1-408-409-00	INDUCTOR 10UH		R038	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
L563	1-408-947-00	INDUCTOR 2.2MMH		R049	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
L2001	1-410-674-31	INDUCTOR 82UH		R050	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
L2004	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R051	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
<TRANSISTOR>				R052	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q002	8-729-216-22	TRANSISTOR 2SA1162-G		R053	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
Q003	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R054	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
Q564	8-729-216-22	TRANSISTOR 2SA1162-G		R055	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
Q565	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R067	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q566	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R068	1-216-043-00	METAL GLAZE 560 5% 1/10W	
Q567	8-729-901-01	TRANSISTOR DTC144EK		R069	1-216-037-00	METAL GLAZE 330 5% 1/10W	
Q2001	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R070	1-216-037-00	METAL GLAZE 330 5% 1/10W	
Q2002	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R535	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
Q2003	8-729-216-22	TRANSISTOR 2SA1162-G		R536	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
Q2005	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R538	1-216-025-00	METAL GLAZE 100 5% 1/10W	
Q2006	8-729-901-01	TRANSISTOR DTC144EK		R539	1-216-657-11	METAL CHIP 1.8K 0.50% 1/10W	
Q2008	8-729-901-00	TRANSISTOR DTC124EK		R541	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<RESISTOR>				R542	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR553	1-216-295-00	METAL GLAZE 0 5% 1/10W		R544	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
JR554	1-216-296-91	METAL GLAZE 0 5% 1/8W		R545	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R001	1-216-025-00	METAL GLAZE 100 5% 1/10W		R546	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R002	1-216-025-00	METAL GLAZE 100 5% 1/10W		R547	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R003	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R551	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R552	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
				R553	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
				R559	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R560	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R564	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
				R565	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R566	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R567	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
				R568	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
				R570	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R2001	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R2002	1-216-043-00	METAL GLAZE 560 5% 1/10W	

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KV-E254

M1 C

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R2003	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	D704	8-719-911-19	DIODE 1SS119	
R2004	1-216-037-00	METAL GLAZE 330 5%	1/10W	D705	8-719-911-19	DIODE 1SS119	
R2005	1-216-041-00	METAL GLAZE 470 5%	1/10W	D706	8-719-911-19	DIODE 1SS119	
R2007	1-216-073-00	METAL GLAZE 10K 5%	1/10W	D707	8-719-911-19	DIODE 1SS119	
R2008	1-216-025-00	METAL GLAZE 100 5%	1/10W	D708	8-719-911-19	DIODE 1SS119	
R2009	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	D709	8-719-911-19	DIODE 1SS119	
R2010	1-216-025-00	METAL GLAZE 100 5%	1/10W	D710	8-719-911-19	DIODE 1SS119	
R2011	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	D713	8-719-908-03	DIODE GP08D	
R2012	1-216-029-00	METAL GLAZE 150 5%	1/10W				
R2013	1-216-029-00	METAL GLAZE 150 5%	1/10W				
R2014	1-216-029-00	METAL GLAZE 150 5%	1/10W				
R2015	1-216-089-91	METAL GLAZE 47K 5%	1/10W				
R2016	1-216-089-91	METAL GLAZE 47K 5%	1/10W				
R2017	1-216-081-00	METAL GLAZE 22K 5%	1/10W				
R2018	1-216-081-00	METAL GLAZE 22K 5%	1/10W				
R2019	1-216-081-00	METAL GLAZE 22K 5%	1/10W				
R2020	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R2021	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R2022	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R2023	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R2024	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R2025	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W				
R2026	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R2028	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W				
R2029	1-216-079-00	METAL GLAZE 18K 5%	1/10W				
R2032	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R2033	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R2035	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R2036	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R2037	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
<CRYSTAL>							
X2001	1-579-965-21	VIBRATOR, CRYSTAL					

*A-1638-040-A C BOARD, COMPLETE							

<CAPACITOR>							
C701	1-162-114-00	CERAMIC 0.0047MF	2KV	JR701	1-216-296-91	METAL GLAZE 0 5%	1/8W
C703	1-123-946-00	ELECT 4.7MF	20% 250V	JR703	1-216-296-91	METAL GLAZE 0 5%	1/8W
C705	1-162-116-00	CERAMIC 680PF	10% 2KV	R701	1-202-848-00	SOLID 680K 10%	1/2W
C708	1-163-197-00	CERAMIC CHIP 470PF	10% 50V	R702	1-202-838-00	SOLID 100K 20%	1/2W
C709	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	R703	1-202-838-00	SOLID 100K 20%	1/2W
C710	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	R704	1-202-842-11	SOLID 220K 10%	1/2W
C711	1-101-880-00	CERAMIC 47PF	5% 50V	R705	1-216-398-11	METAL OXIDE 5.6 5%	3W F
C712	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	R706	1-216-398-11	METAL OXIDE 5.6 5%	3W F
C713	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	R707	1-249-421-11	CARBON 2.2K 5%	1/4W
C714	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	R708	1-249-421-11	CARBON 2.2K 5%	1/4W
C716	1-124-122-11	ELECT 100MF	20% 50V	R709	1-249-421-11	CARBON 2.2K 5%	1/4W
<CONNECTOR>				R710	1-215-899-11	METAL OXIDE 15K 5%	2W F
CN0002	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		R711	1-202-820-11	SOLID 1.5K 20%	1/2W
CN0403	*1-564-511-11	PLUG, CONNECTOR 8P		R712	1-215-899-11	METAL OXIDE 15K 5%	2W F
CN0421	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P		R713	1-202-820-11	SOLID 1.5K 20%	1/2W
<DIODE>				R714	1-215-899-11	METAL OXIDE 15K 5%	2W F
D701	8-719-911-19	DIODE 1SS119		R715	1-202-820-11	SOLID 1.5K 20%	1/2W
D702	8-719-911-19	DIODE 1SS119		R716	1-247-700-11	CARBON 100 5%	1/4W F
D703	8-719-911-19	DIODE 1SS119		R717	1-249-405-11	CARBON 100 5%	1/4W F
				R718	1-247-700-11	CARBON 100 5%	1/4W F
				R720	1-249-417-11	CARBON 1K 5%	1/4W F
				R722	1-247-713-11	CARBON 1K 5%	1/4W F
				R724	1-249-417-11	CARBON 1K 5%	1/4W F
				R725	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
				R726	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W

C

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D

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R727	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		D830	8-719-104-34	DIODE 1S2836	
R728	1-216-039-00	METAL GLAZE 390 5% 1/10W		D831	8-719-400-18	DIODE MA152WK	
R729	1-216-039-00	METAL GLAZE 390 5% 1/10W		D832	8-719-104-34	DIODE 1S2836	
R730	1-216-039-00	METAL GLAZE 390 5% 1/10W		D833	8-719-104-34	DIODE 1S2836	
R731	1-216-017-00	METAL GLAZE 47 5% 1/10W				<IC>	
R732	1-216-017-00	METAL GLAZE 47 5% 1/10W		IC802	8-759-987-16	IC LM393P	
R733	1-216-017-00	METAL GLAZE 47 5% 1/10W				<TRANSISTOR>	
R734	1-202-549-00	SOLID 100 20% 1/2W		Q804	8-729-216-22	TRANSISTOR 2SA1162-G	
R735	1-216-049-00	METAL GLAZE 1K 5% 1/10W		Q805	8-729-216-22	TRANSISTOR 2SA1162-G	
R738	1-216-025-00	METAL GLAZE 100 5% 1/10W		Q812	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
R739	1-216-025-00	METAL GLAZE 100 5% 1/10W		Q818	8-729-216-22	TRANSISTOR 2SA1162-G	
R740	1-216-025-00	METAL GLAZE 100 5% 1/10W				<RESISTOR>	
R741	1-216-089-91	METAL GLAZE 47K 5% 1/10W		JR802	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R742	1-216-029-00	METAL GLAZE 150 5% 1/10W		JR803	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R743	1-249-434-11	CARBON 27K 5% 1/4W		JR804	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R747	1-216-489-11	METAL OXIDE 27K 5% 3W F		R802	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R749	1-216-490-11	METAL OXIDE 39K 5% 3W F		R805	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R751	1-215-926-00	METAL OXIDE 33K 5% 3W F		R806	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R753	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R808	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R758	1-249-419-11	CARBON 1.5K 5% 1/4W		R809	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R759	1-249-419-11	CARBON 1.5K 5% 1/4W		R813	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R760	1-249-419-11	CARBON 1.5K 5% 1/4W		R814	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
		<VARIABLE RESISTOR>		R815	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		R820	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
RV702	1-241-656-11	RES, ADJ, METAL FILM 110M		R824	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
RV702	1-241-656-11	RES, ADJ, METAL FILM 110M		R828	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
		*****		R829	1-249-429-11	CARBON 10K 5% 1/4W F	
	*A-1640-107-A	D5 BOARD, COMPLETE		R830	1-216-687-11	METAL CHIP 33K 0.50% 1/10W	
		*****		R832	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
		<CAPACITOR>		R834	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
C803	1-164-695-11	CERAMIC CHIP 0.0022MF 5% 50V		R835	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
C804	1-136-161-00	FILM 0.047MF 5% 50V		R837	1-216-695-11	METAL CHIP 68K 0.50% 1/10W	
C806	1-124-907-11	ELECT 10MF 20% 50V		R838	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
C823	1-124-902-00	ELECT 0.47MF 20% 50V		R846	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W	
C827	1-130-777-00	FILM 0.1MF 5% 63V		R847	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
C847	1-164-337-11	CERAMIC CHIP 2.2MF 16V		R867	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
C852	1-164-299-11	CERAMIC CHIP 0.22MF 10% 25V		R884	1-216-693-11	METAL CHIP 56K 0.50% 1/10W	
C853	1-124-910-11	ELECT 47MF 20% 50V				*****	
C857	1-124-902-00	ELECT 0.47MF 20% 50V			*A-1642-096-A	D BOARD, COMPLETE	
C861	1-130-777-00	FILM 0.1MF 5% 63V				*****	
C866	1-137-364-91	FILM 0.001MF 5% 50V			4-200-001-01	HOLDER, IC	
C870	1-137-364-91	FILM 0.001MF 5% 50V			4-201-023-01	SPACER, INSULATING	
C871	1-130-651-00	FILM 0.001MF 2% 100V			4-202-536-01	PLATE (MAIN), SHIELD	
C872	1-124-907-11	ELECT 10MF 20% 50V			*4-368-683-21	SPRING, TRANSISTOR	
C873	1-137-364-91	FILM 0.001MF 5% 50V			4-389-343-21	SPRING, IC	
		<CONNECTOR>			4-812-134-00	RIVET NYLON, 3.5	
CN2044*1	573-299-11	CONNECTOR, BOARD TO BOARD 10P				<CAPACITOR>	
		<DIODE>		C601	1-130-202-00	FILM 0.022MF 10% 400V	
D804	8-719-911-19	DIODE 1S5119		C602	1-162-116-00	CERAMIC 680PF 10% 2KV	
D808	8-719-109-88	DIODE RD5.6ESB1		C603	1-164-246-61	CERAMIC 0.0022MF 20% 400V	
D818	8-719-109-93	DIODE RD6.2ESB2		C605	1-124-910-11	ELECT 47MF 20% 50V	
D821	8-719-104-34	DIODE 1S2836		C608	1-124-903-11	ELECT 1MF 20% 50V	
D827	8-719-982-96	DIODE MTZJ-T-77-2.2A		C611	1-102-002-00	CERAMIC 680PF 10% 500V	
				C612	1-130-481-00	FILM 0.0068MF 5% 50V	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C613	1-129-722-00	FILM 0.047MF	10% 630V	C1504	1-124-480-11	ELECT 470MF	20% 25V
C614	1-102-030-00	CERAMIC 330PF	10% 500V	C1505	1-124-911-11	ELECT 220MF	20% 50V
C615	1-126-943-11	ELECT 2200MF	20% 25V	C1506	1-136-202-11	FILM 0.33MF	5% 63V
C616	1-102-030-00	CERAMIC 330PF	10% 500V	C1507	1-106-222-00	MYLAR 0.12MF	10% 100V
C617	1-162-116-00	CERAMIC 680PF	10% 2KV	C1508	1-124-480-11	ELECT 470MF	20% 25V
C618	1-162-134-11	CERAMIC 470PF	10% 2KV	C1509	1-124-767-00	ELECT 2.2MF	20% 50V
C619	1-102-030-00	CERAMIC 330PF	10% 500V	C1511	1-124-907-11	ELECT 10MF	20% 50V
C620	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V	C1512	1-124-006-11	ELECT 10MF	20% 25V
C621	1-124-347-00	ELECT 100MF	20% 160V	C1514	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C622	1-128-320-11	ELECT 2200MF	20% 16V	C1515	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C623	1-102-030-00	CERAMIC 330PF	10% 500V	<CONNECTOR>			
C624	1-126-800-51	ELECT 2200MF	20% 35V	CN0004	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
C625	1-126-800-51	ELECT 2200MF	20% 35V	CN0009	1-568-878-51	PIN, CONNECTOR 3P	
C627	1-136-553-11	FILM 0.0015MF	10% 400V	CN0504*1	1-564-511-11	PLUG, CONNECTOR 8P	
C628	1-124-910-11	ELECT 47MF	20% 50V	CN0505*1	1-568-880-51	PIN, CONNECTOR 5P	
C629	1-124-907-11	ELECT 10MF	20% 50V	CN0506*1	1-568-880-51	PIN, CONNECTOR 5P	
C631	1-163-075-00	CERAMIC CHIP 0.047MF	10% 25V	CN0519*1	1-568-878-51	PIN, CONNECTOR 3P	
C632	1-137-372-11	FILM 0.022MF	5% 50V	CN0521	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
C633	1-163-078-11	CERAMIC CHIP 0.033MF	10% 25V	CN0524*1	1-568-878-51	PIN, CONNECTOR 3P	
C636	1-130-777-00	FILM 0.1MF	5% 63V	CN0525*1	1-695-294-11	PIN, CONNECTOR (PC BOARD) 6P	
C640	1-124-916-11	ELECT 22MF	20% 50V	CN0526*1	1-568-881-51	PIN, CONNECTOR 6P	
C645	1-128-571-11	ELECT 56MF	20% 50V	CN0529	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
C646	1-124-798-11	ELECT 1MF	20% 160V	CN0544	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P	
C647	1-124-907-11	ELECT 10MF	20% 50V	CN5521*1	1-568-878-51	PIN, CONNECTOR 3P	
C801	1-137-116-11	FILM 1MF	5% 200V	DY1	*1-580-798-11	CONNECTOR PIN (DY) 6P	
C805	1-124-902-00	ELECT 0.47MF	20% 50V	<DIODE>			
C808	1-162-114-00	CERAMIC 0.0047MF	2KV	D601	8-719-104-34	DIODE 1S2836	
C809	1-124-340-00	ELECT 22MF	20% 200V	D602	8-719-302-43	DIODE EL1Z	
C810	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	D604	8-719-921-91	DIODE MTZJ-15A	
C812	1-162-318-11	CERAMIC 0.001MF	10% 500V	D605	8-719-989-91	DIODE 1N4148A-T265	
C813	1-108-704-11	MYLAR 0.1MF	10% 200V	D606	8-719-302-43	DIODE EL1Z	
C815	1-162-117-00	CERAMIC 100PF	10% 500V	D607	8-719-302-43	DIODE EL1Z	
C819	1-126-103-11	ELECT 470MF	20% 16V	D608	8-719-300-33	DIODE RU-3AM	
C821 Δ	1-137-514-11	FILM 0.021MF	2% 2KV	D610	1-806-660-11	DIODE ESAB85-009	
C822 Δ	1-162-116-91	CERAMIC 680PF	10% 2KV	D611	8-719-029-04	DIODE D5L60	
C824	1-137-366-11	FILM 0.0022MF	5% 50V	D612	8-719-510-09	DIODE D10SC6M	
C825 Δ	1-162-116-91	CERAMIC 680PF	10% 2KV	D613	8-719-920-68	DIODE ESAB92-02	
C826 Δ	1-137-515-61	FILM 0.056MF	3% 400V	D614	8-719-920-68	DIODE ESAB92-02	
C828	1-136-557-11	FILM 0.0033MF	10% 400V	D616	8-719-110-31	DIODE RD12ESB2	
C831	1-123-932-00	ELECT 4.7MF	20% 160V	D619	8-719-400-18	DIODE MA152WK	
C832	1-124-910-11	ELECT 47MF	20% 50V	D620	8-719-911-19	DIODE 1SS119	
C833	1-137-117-11	FILM 1.5MF	5% 200V	D621	8-719-302-43	DIODE EL1Z	
C834	1-137-114-11	FILM 0.68MF	5% 200V	D624	8-719-312-39	DIODE R2K-V1	
C835	1-124-480-11	ELECT 470MF	20% 25V	D801	8-719-018-82	DIODE RGP02-20EL-6394	
C836	1-102-228-00	CERAMIC 470PF	10% 500V	D802	8-719-302-43	DIODE EL1Z	
C837	1-129-702-00	FILM 0.001MF	10% 400V	D803	8-719-982-27	DIODE MTZJ-33C	
C838	1-129-725-00	FILM 0.082MF	10% 250V	D809	8-719-110-03	DIODE RD7.5ESB2	
C839	1-123-950-00	ELECT 47MF	20% 250V	D812	8-719-908-03	DIODE GP08D	
C840	1-124-480-11	ELECT 470MF	20% 25V	D813	8-719-908-03	DIODE GP08D	
C841	1-102-228-00	CERAMIC 470PF	10% 500V	D814	8-719-979-85	DIODE EGP20G	
C842	1-104-722-91	FILM 0.068MF	10% 250V	D815	8-719-302-43	DIODE EL1Z	
C843	1-124-907-11	ELECT 10MF	20% 50V	D816	8-719-979-85	DIODE EGP20G	
C846	1-123-024-21	ELECT 33MF	160V	D822	8-719-982-20	DIODE MTZJ-30B	
C851	1-137-364-91	FILM 0.001MF	5% 50V	D824	8-719-028-72	DIODE RGP02-17EL-6433	
C854 Δ	1-162-116-91	CERAMIC 680PF	10% 2KV	D825	8-719-400-18	DIODE MA152WK	
C863	1-106-383-00	MYLAR 0.047MF	10% 100V	D826	8-719-400-18	DIODE MA152WK	
C869	1-130-777-00	FILM 0.1MF	5% 63V	D828	8-719-911-19	DIODE 1SS119	
C875	1-102-038-00	CERAMIC 0.001MF	500V	D1501	8-719-400-18	DIODE MA152WK	
C877	1-124-902-00	ELECT 0.47MF	20% 50V	D1503	8-719-908-03	DIODE GP08D	
C878	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D1504	8-719-982-03	DIODE MTZJ-3.6A	
C879	1-102-228-00	CERAMIC 470PF	10% 500V				
C1501	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V				
C1502	1-124-903-11	ELECT 1MF	20% 50V				
C1503	1-163-133-00	CERAMIC CHIP 470PF	5% 50V				

D

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Replace only with part number
specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<IC>				JR002	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC601	8-759-073-29	IC TDA4605-3		JR003	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC602	8-759-908-15	IC TL431CLP		JR004	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC603 Δ	8-749-923-44	IC SPH617G-1		JR005	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC801	8-759-103-93	IC LM393P		JR006	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC803	8-759-081-31	IC MC78L12ACPRP		JR007	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC1501	8-759-506-46	IC TDA8179S		JR502	1-216-296-91	METAL GLAZE	0 5% 1/8W
<COIL>				JR503	1-216-296-91	METAL GLAZE	0 5% 1/8W
L602	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		JR504	1-216-296-91	METAL GLAZE	0 5% 1/8W
L603	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		JR505	1-216-296-91	METAL GLAZE	0 5% 1/8W
L604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		JR506	1-216-296-91	METAL GLAZE	0 5% 1/8W
L605	1-459-442-00	COIL (WITH CORE)		JR508	1-216-296-91	METAL GLAZE	0 5% 1/8W
L606	1-459-442-00	COIL (WITH CORE)		JR509	1-216-296-91	METAL GLAZE	0 5% 1/8W
L609	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		JR510	1-216-296-91	METAL GLAZE	0 5% 1/8W
L610	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		JR511	1-216-296-91	METAL GLAZE	0 5% 1/8W
L622	1-412-533-21	INDUCTOR 47UH		JR512	1-216-296-91	METAL GLAZE	0 5% 1/8W
L623	1-412-533-21	INDUCTOR 47UH		JR601	1-216-295-00	METAL GLAZE	0 5% 1/10W
L803	1-420-872-00	COIL, AIR CORE		JR602	1-216-295-00	METAL GLAZE	0 5% 1/10W
L808	1-412-547-21	INDUCTOR 680UH		JR603	1-216-295-00	METAL GLAZE	0 5% 1/10W
L809	1-459-104-00	COIL, WITH CORE		R602	1-216-081-00	METAL GLAZE	22K 5% 1/10W
L810	1-460-197-21	COIL, FERRITE (PMC)		R603	1-215-901-00	METAL OXIDE	33K 5% 2W F
L811	1-412-519-11	INDUCTOR 3.3UH		R604	1-260-200-11	CARBON	240K 5% 1/2W
L812	1-412-519-11	INDUCTOR 3.3UH		R605	1-216-313-00	METAL GLAZE	8.2 5% 1/10W
L813	1-412-519-11	INDUCTOR 3.3UH		R606	1-216-035-00	METAL GLAZE	270 5% 1/10W
L817	1-460-196-11	COIL, HORIZONTAL LINEARITY		R607	1-216-210-00	METAL GLAZE	3.3K 5% 1/8W
L1501	1-412-531-31	INDUCTOR 33UH		R608	1-215-903-11	METAL OXIDE	68K 5% 2W F
L1502	1-412-525-21	INDUCTOR 10UH		R609	1-249-395-11	CARBON	15 5% 1/4W
L1503	1-412-531-31	INDUCTOR 33UH		R610	1-247-881-00	CARBON	120K 5% 1/4W
<IC LINK>				R611	1-215-886-11	METAL OXIDE	100 5% 2W F
PS601 Δ	1-532-686-91	LINK, IC 2.7A		R612	1-247-894-11	CARBON	430K 5% 1/4W
PS602 Δ	1-532-686-91	LINK, IC 2.7A		R613	1-216-260-11	METAL GLAZE	390K 5% 1/8W
PS603 Δ	1-532-686-91	LINK, IC 2.7A		R614	1-216-487-11	METAL OXIDE	12K 5% 3W F
PS604 Δ	1-532-686-91	LINK, IC 2.7A		R615	1-216-487-11	METAL OXIDE	12K 5% 3W F
<TRANSISTOR>				R617	1-216-033-00	METAL GLAZE	220 5% 1/10W
Q601	8-729-016-14	TRANSISTOR BUZ91A-E3155		R618	1-216-449-11	METAL OXIDE	56 5% 2W F
Q602	8-729-177-22	TRANSISTOR 2SB772-Q		R620	1-216-045-00	METAL GLAZE	680 5% 1/10W
Q603	8-729-900-53	TRANSISTOR DTC114EK		R621	1-216-659-11	METAL CHIP	2.2K 0.50% 1/10W
Q604	8-729-209-15	TRANSISTOR 2SD2012		R622	1-216-041-00	METAL GLAZE	470 5% 1/10W
Q605	8-729-255-12	TRANSISTOR 2SC2551-0		R623	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q606	8-729-216-22	TRANSISTOR 2SA1162-G		R625	1-216-449-11	METAL OXIDE	56 5% 2W F
Q611	8-729-119-78	TRANSISTOR 2SC2785-HFE		R626	1-216-635-11	METAL CHIP	220 0.50% 1/10W
Q612	8-729-903-29	TRANSISTOR DTA144TK		R627	1-249-398-11	CARBON	27 5% 1/4W F
Q613	8-729-216-22	TRANSISTOR 2SA1162-G		R629	1-215-464-00	METAL	62K 1% 1/4W
Q801	8-729-016-32	TRANSISTOR 2SC4927-01		R630	1-249-421-11	CARBON	2.2K 5% 1/4W
Q802	8-729-140-97	TRANSISTOR 2SB734-34		R631	1-216-397-11	METAL OXIDE	4.7 5% 3W F
Q806	8-729-019-71	TRANSISTOR 2SK1916-53-F50		R633	1-249-415-11	CARBON	680 5% 1/4W
Q807	8-729-119-80	TRANSISTOR 2SC2688-LK		R634	1-215-477-00	METAL	220K 1% 1/4W
Q813	8-729-140-96	TRANSISTOR 2SD774-34		R635	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1501	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R636	1-215-925-11	METAL OXIDE	22K 5% 3W F
Q1502	8-729-901-01	TRANSISTOR DTC144EK		R637	1-216-113-00	METAL GLAZE	470K 5% 1/10W
Q1503	8-729-216-22	TRANSISTOR 2SA1162-G		R638	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1504	8-729-901-01	TRANSISTOR DTC144EK		R639	1-216-089-91	METAL GLAZE	47K 5% 1/10W
<RESISTOR>				R640	1-207-905-00	WIREWOUND	0.27 10% 2W F
JR001	1-216-295-00	METAL GLAZE	0 5% 1/10W	R642	1-216-373-11	METAL OXIDE	2.2 5% 2W F
				R643	1-249-417-11	CARBON	1K 5% 1/4W
				R645	1-215-464-00	METAL	62K 1% 1/4W
				R646	1-216-097-00	METAL GLAZE	100K 5% 1/10W
				R647	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
				R648	1-249-424-11	CARBON	3.9K 5% 1/4W
				R649	1-216-270-00	METAL GLAZE	1M 5% 1/8W
				R650	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R651	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
				R652	1-216-109-00	METAL GLAZE	330K 5% 1/10W
				R653	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W

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KV-E254

D VM

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R654	1-215-904-11	METAL OXIDE	100K 5% 2W F	T601 Δ 1-423-738-11	S.R.T (SMT89)		
R655	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	T801 Δ 1-453-118-11	TRANSFORMER ASSY. FLYBACK (NX-2600A2)		
R656	1-216-033-00	METAL GLAZE	220 5% 1/10W	T803	1-437-090-00	HDT	
R657	1-249-407-11	CARBON	150 5% 1/4W	*****			
R801	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	*A-1644-028-A VM BOARD, COMPLETE			
R803	1-535-143-31	LEAD, JUMPER (15.0MM)		*****			
R804	1-217-778-11	FUSIBLE	1K 5% 1W F	*4-368-683-21 SPRING, TRANSISTOR			
R807	1-216-037-00	METAL GLAZE	330 5% 1/10W				
R811	1-216-033-00	METAL GLAZE	220 5% 1/10W				
R812	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				
R818	1-216-688-11	METAL CHIP	36K 0.50% 1/10W	<CAPACITOR>			
R819	1-247-755-11	CARBON	1.8K 5% 1/2W F	C1701	1-124-119-00	ELECT	330MF 20% 16V
R821	1-215-918-00	METAL OXIDE	1.5K 5% 3W F	C1702	1-101-880-00	CERAMIC	47PF 5% 50V
R822	1-215-918-00	METAL OXIDE	1.5K 5% 3W F	C1703	1-102-115-00	CERAMIC	560PF 10% 50V
R823	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C1704	1-161-830-00	CERAMIC	0.0047MF 500V
R825	1-216-345-11	METAL OXIDE	0.47 5% 1W F	C1705	1-124-120-11	ELECT	220MF 20% 16V
R826	1-216-166-00	METAL GLAZE	47 5% 1/8W	C1706	1-123-935-00	ELECT	33MF 20% 160V
R833	1-216-105-00	METAL GLAZE	220K 5% 1/10W	C1707	1-124-907-11	ELECT	10MF 20% 50V
R839	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C1708	1-101-006-00	CERAMIC	0.047MF 50V
R840	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C1709	1-108-704-11	MYLAR	0.1MF 10% 200V
R841	1-249-397-11	CARBON	22 5% 1/4W F	C1710	1-104-721-91	FILM	0.047MF 10% 250V
R842	1-215-890-11	METAL OXIDE	470 5% 2W F	C1711	1-162-318-11	CERAMIC	0.001MF 10% 500V
R849	1-216-446-00	METAL OXIDE	18 5% 2W F	C1712	1-124-799-11	ELECT	2.2MF 20% 160V
R851	1-247-743-11	CARBON	220 5% 1/2W F	C1713	1-162-318-11	CERAMIC	0.001MF 10% 500V
R852	1-249-389-11	CARBON	4.7 5% 1/4W F	C1714	1-104-721-91	FILM	0.047MF 10% 250V
R853	1-249-443-11	CARBON	0.47 5% 1/4W F	C1716	1-124-907-11	ELECT	10MF 20% 50V
R854	1-249-443-11	CARBON	0.47 5% 1/4W F	C1718	1-124-120-11	ELECT	220MF 20% 16V
R855	1-202-818-00	SOLID	1K 10% 1/2W	C1719	1-124-927-11	ELECT	4.7MF 20% 50V
R858	1-249-425-11	CARBON	4.7K 5% 1/4W	<CONNECTOR>			
R864	1-216-686-11	METAL CHIP	30K 0.50% 1/10W	CN1819*1-568-882-51	PIN, CONNECTOR 7P		
R868	1-249-434-11	CARBON	27K 5% 1/4W	<DIODE>			
R871	1-249-493-11	CARBON	56K 5% 1/2W	D1701	8-719-911-19	DIODE 1SS119	
R872	1-249-393-11	CARBON	10 5% 1/4W F	D1702	8-719-911-19	DIODE 1SS119	
R873	1-249-393-11	CARBON	10 5% 1/4W F	D1703	8-719-911-19	DIODE 1SS119	
R876	1-249-421-11	CARBON	2.2K 5% 1/4W	D1704	8-719-982-37	DIODE MTZJ-39C	
R877	1-215-880-00	METAL OXIDE	10 5% 2W F	D1705	8-719-982-37	DIODE MTZJ-39C	
R878	1-216-448-11	METAL OXIDE	39 5% 2W F	D1706	8-719-911-19	DIODE 1SS119	
R889	1-216-089-91	METAL GLAZE	47K 5% 1/10W	D1707	8-719-911-19	DIODE 1SS119	
R893	1-215-878-00	METAL OXIDE	33K 5% 1W F	<COIL>			
R894	1-216-264-00	METAL GLAZE	560K 5% 1/8W	L1702	1-408-418-00	INDUCTOR	56UH
R895	1-216-095-00	METAL GLAZE	82K 5% 1/10W	<TRANSISTOR>			
R897	1-216-089-91	METAL GLAZE	47K 5% 1/10W	Q1701	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R898	1-216-262-00	METAL GLAZE	470K 5% 1/8W	Q1702	8-729-173-38	TRANSISTOR 2SA733-K	
R1501	1-216-673-11	METAL CHIP	8.2K 0.50% 1/10W	Q1703	8-729-017-05	TRANSISTOR 2SA1837	
R1502	1-216-664-11	METAL CHIP	3.6K 0.50% 1/10W	Q1704	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R1503	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	Q1705	8-729-017-06	TRANSISTOR 2SC4793	
R1504	1-216-081-00	METAL GLAZE	22K 5% 1/10W	Q1706	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R1505	1-216-081-00	METAL GLAZE	22K 5% 1/10W	Q1707	8-729-140-96	TRANSISTOR 2SD774-34	
R1506	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	Q1708	8-729-901-59	TRANSISTOR BF199	
R1508	1-216-684-11	METAL CHIP	24K 0.50% 1/10W	Q1709	8-729-255-12	TRANSISTOR 2SC2551-0	
R1509	1-216-089-91	METAL GLAZE	47K 5% 1/10W	<RESISTOR>			
R1510	1-249-382-11	CARBON	1.2 5% 1/4W F	R1701	1-249-405-11	CARBON	100 5% 1/4W
R1511	1-215-888-00	METAL OXIDE	220 5% 2W F	R1702	1-249-420-11	CARBON	1.8K 5% 1/4W
R1512	1-216-371-00	METAL OXIDE	1.5 5% 2W F				
R1514	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R1551	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
<VARIABLE RESISTOR>							
RV601	1-241-628-11	RES, ADJ, CARBON 2.2K					
<TRANSFORMER>							

VM	H1	H2	K
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REF.NO.	PART NO.	DESCRIPTION				REMARK
R1703	1-249-405-11	CARBON	100	5%	1/4W	
R1704	1-249-420-11	CARBON	1.8K	5%	1/4W	
R1705	1-247-736-11	CARBON	56	5%	1/2W	F
R1706	1-249-414-11	CARBON	560	5%	1/4W	F
R1707	1-249-412-11	CARBON	390	5%	1/4W	
R1709	1-249-416-11	CARBON	820	5%	1/4W	
R1710	1-249-385-11	CARBON	2.2	5%	1/4W	F
R1711	1-249-432-11	CARBON	18K	5%	1/4W	
R1712	1-249-435-11	CARBON	33K	5%	1/4W	
R1713	1-249-438-11	CARBON	56K	5%	1/4W	
R1714	1-249-429-11	CARBON	10K	5%	1/4W	
R1715	1-216-476-11	METAL OXIDE	180	5%	3W	F
R1716	1-249-417-11	CARBON	1K	5%	1/4W	F
R1717	1-249-432-11	CARBON	18K	5%	1/4W	
R1718	1-249-410-11	CARBON	270	5%	1/4W	
R1719	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1720	1-249-441-11	CARBON	100K	5%	1/4W	
R1721	1-249-414-11	CARBON	560	5%	1/4W	
R1722	1-249-385-11	CARBON	2.2	5%	1/4W	F
R1723	1-249-429-11	CARBON	10K	5%	1/4W	
R1724	1-249-436-11	CARBON	39K	5%	1/4W	
R1725	1-249-417-11	CARBON	1K	5%	1/4W	
R1726	1-249-411-11	CARBON	330	5%	1/4W	
R1727	1-249-402-11	CARBON	56	5%	1/4W	F
R1729	1-216-451-11	METAL OXIDE	120	5%	2W	F
R1731	1-249-420-11	CARBON	1.8K	5%	1/4W	
R1732	1-249-426-11	CARBON	5.6K	5%	1/4W	
R1734	1-249-419-11	CARBON	1.5K	5%	1/4W	

*1-648-314-11		H1 BOARD				

		<CAPACITOR>				
C083	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V	
C087	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V	
		<JACK>				
J-81	1-568-678-11	TERMINAL BLOCK, S 3P				
J-82	1-562-837-11	JACK				
		<CONNECTOR>				
CN1008*1-564-516-11		PLUG, CONNECTOR 13P				
		<COIL>				
L081	1-408-409-00	INDUCTOR	10UH			
L082	1-408-409-00	INDUCTOR	10UH			
		<RESISTOR>				
JR021	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R081	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R082	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R083	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R084	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R085	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
		<SWITCH>				
S081	1-571-532-21	SWITCH, TACTIL				
S082	1-571-532-21	SWITCH, TACTIL				
S083	1-571-532-21	SWITCH, TACTIL				

*1-648-475-11		H2 BOARD				

*4-201-076-01		HOLDER, LED				
*4-374-987-01		GUIDE, LIGHT				
4-381-686-01		BRACKET (B), LIGHT GUIDE				
		<CONNECTOR>				
CN1132*1-568-882-51		PIN, CONNECTOR 7P				
		<DIODE>				
D092	8-719-948-31	DIODE LD-201VR				
D093	8-719-948-31	DIODE LD-201VR				
D094	8-719-948-31	DIODE LD-201VR				
		<IC>				
IC091	8-741-101-75	IC SBX1610-11				
		<RESISTOR>				
R091	1-216-190-00	METAL GLAZE	470	5%	1/8W	

*A-1649-007-A		K BOARD, COMPLETE				

4-200-001-01		HOLDER, IC				
4-201-023-01		SPACER, INSULATING				
		<CAPACITOR>				
C268	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C269	1-101-006-00	CERAMIC	0.047MF		50V	
C270	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	
C271	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C272	1-124-907-11	ELECT	10MF	20%	50V	
C273	1-124-618-11	ELECT	2200MF	20%	35V	
C274	1-124-618-11	ELECT	2200MF	20%	35V	
C275	1-164-505-11	CERAMIC CHIP	2.2MF		16V	
C276	1-164-505-11	CERAMIC CHIP	2.2MF		16V	
C277	1-130-772-00	FILM	0.22MF	5%	63V	
C278	1-124-925-11	ELECT	2.2MF	20%	50V	
C279	1-124-122-11	ELECT	100MF	20%	35V	
		<CONNECTOR>				
CN1311	1-568-882-51	PIN, CONNECTOR 7P				
CN1312	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P				
CN1333	1-568-878-51	PIN, CONNECTOR 3P				
		<DIODE>				
D261	8-719-911-19	DIODE 1SS119				
D262	8-719-911-19	DIODE 1SS119				
D264	8-719-911-19	DIODE 1SS119				
D265	8-719-911-19	DIODE 1SS119				
D270	8-719-921-69	DIODE MTZJ-9.1				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<IC>				C926	1-164-346-11	CERAMIC CHIP 1MF	16V
IC270	8-759-072-99	IC TDA2052		C927	1-124-477-11	ELECT 47MF	20% 16V
<TRANSISTOR>				C928	1-124-477-11	ELECT 47MF	20% 16V
Q270	8-729-120-28	TRANSISTOR 2SC1623-L5L6		C929	1-124-477-11	ELECT 47MF	20% 16V
<RESISTOR>				C930	1-124-477-11	ELECT 47MF	20% 16V
R269	1-216-041-00	METAL GLAZE 470 5%	1/10W	C931	1-164-346-11	CERAMIC CHIP 1MF	16V
R270	1-216-085-00	METAL GLAZE 33K 5%	1/10W	C932	1-164-346-11	CERAMIC CHIP 1MF	16V
R271	1-216-085-00	METAL GLAZE 33K 5%	1/10W	C933	1-124-477-11	ELECT 47MF	20% 16V
R272	1-216-077-00	METAL GLAZE 15K 5%	1/10W	C934	1-124-477-11	ELECT 47MF	20% 16V
R273	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C935	1-124-477-11	ELECT 47MF	20% 16V
R274	1-216-081-00	METAL GLAZE 22K 5%	1/10W	C936	1-164-346-11	CERAMIC CHIP 1MF	16V
R275	1-216-043-00	METAL GLAZE 560 5%	1/10W	C937	1-164-346-11	CERAMIC CHIP 1MF	16V
R276	1-216-081-00	METAL GLAZE 22K 5%	1/10W	C938	1-124-477-11	ELECT 47MF	20% 16V
R277	1-217-477-00	FUSIBLE 4.7 5%	1W F	<CONNECTOR>			
R278	1-216-089-91	METAL GLAZE 47K 5%	1/10W	CN1209	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
R279	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	CN1210*1	564-522-11	PLUG, CONNECTOR 7P	
R280	1-216-073-00	METAL GLAZE 10K 5%	1/10W	CN1233*1	564-518-11	PLUG, CONNECTOR 3P	
R281	1-247-752-11	CARBON 1K 5%	1/2W	<DIODE>			
*****				D901	8-719-921-69	DIODE MTZJ-9.1	
*A-1651-052-A J BOARD, COMPLETE				D902	8-719-921-69	DIODE MTZJ-9.1	
*****				D903	8-719-921-69	DIODE MTZJ-9.1	
<CAPACITOR>				D904	8-719-921-69	DIODE MTZJ-9.1	
C281	1-124-119-00	ELECT 330MF	20% 16V	D905	8-719-921-69	DIODE MTZJ-9.1	
C291	1-101-005-00	CERAMIC 0.022MF	50V	D906	8-719-921-69	DIODE MTZJ-9.1	
C292	1-101-005-00	CERAMIC 0.022MF	50V	D907	8-719-921-69	DIODE MTZJ-9.1	
C293	1-101-003-00	CERAMIC 0.0047MF	50V	D908	8-719-921-69	DIODE MTZJ-9.1	
C294	1-101-003-00	CERAMIC 0.0047MF	50V	D909	8-719-921-69	DIODE MTZJ-9.1	
C295	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D910	8-719-921-69	DIODE MTZJ-9.1	
C296	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D911	8-719-921-69	DIODE MTZJ-9.1	
C297	1-101-003-00	CERAMIC 0.0047MF	50V	D912	8-719-921-69	DIODE MTZJ-9.1	
C298	1-101-005-00	CERAMIC 0.022MF	50V	D913	8-719-921-69	DIODE MTZJ-9.1	
C901	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D914	8-719-921-69	DIODE MTZJ-9.1	
C902	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D915	8-719-921-69	DIODE MTZJ-9.1	
C904	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D916	8-719-921-69	DIODE MTZJ-9.1	
C905	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D917	8-719-921-69	DIODE MTZJ-9.1	
C906	1-101-004-00	CERAMIC 0.01MF	50V	D918	8-719-921-69	DIODE MTZJ-9.1	
C907	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D919	8-719-921-69	DIODE MTZJ-9.1	
C908	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D920	8-719-921-69	DIODE MTZJ-9.1	
C909	1-101-004-00	CERAMIC 0.01MF	50V	D921	8-719-921-69	DIODE MTZJ-9.1	
C910	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D922	8-719-921-69	DIODE MTZJ-9.1	
C911	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D923	8-719-921-69	DIODE MTZJ-9.1	
C912	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D924	8-719-921-69	DIODE MTZJ-9.1	
C913	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D925	8-719-921-69	DIODE MTZJ-9.1	
C914	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	D926	8-719-921-69	DIODE MTZJ-9.1	
C915	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	D927	8-719-921-69	DIODE MTZJ-9.1	
C916	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D928	8-719-921-69	DIODE MTZJ-9.1	
C917	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D999	8-719-921-91	DIODE MTZJ-15A	
C918	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	<JACK>			
C919	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	J901	1-695-296-11	TERMINAL BLOCK, S	
C920	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	J903	1-561-534-41	SOCKET, PIN 21P	
C921	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	J903	1-695-550-11	SOCKET 21P	
C922	1-124-477-11	ELECT 47MF	20% 16V	J904	1-695-296-11	TERMINAL BLOCK, S	
C923	1-164-346-11	CERAMIC CHIP 1MF	16V	J905	1-695-293-11	SOCKET 21P	
C924	1-124-477-11	ELECT 47MF	20% 16V	J906	1-695-296-11	TERMINAL BLOCK, S	
C925	1-124-477-11	ELECT 47MF	20% 16V	J907	1-695-293-11	SOCKET 21P	
				<COIL>			

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L281	1-402-711-11	INDUCTOR, WIDEBAND		R913	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
L282	1-402-711-11	INDUCTOR, WIDEBAND		R914	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
L283	1-402-711-11	INDUCTOR, WIDEBAND		R915	1-216-113-00	METAL GLAZE 470K 5%	1/10W
L291	1-402-711-11	INDUCTOR, WIDEBAND		R916	1-216-113-00	METAL GLAZE 470K 5%	1/10W
L292	1-402-711-11	INDUCTOR, WIDEBAND		R917	1-216-022-00	METAL GLAZE 75 5%	1/10W
L293	1-402-711-11	INDUCTOR, WIDEBAND		R919	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
<TRANSISTOR>				R920	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
Q281	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R921	1-216-022-00	METAL GLAZE 75 5%	1/10W
Q282	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R922	1-216-222-00	METAL GLAZE 10K 5%	1/8W
<RESISTOR>				R923	1-216-039-00	METAL GLAZE 390 5%	1/10W
JR901	1-216-295-00	METAL GLAZE 0 5%	1/10W	R924	1-216-039-00	METAL GLAZE 390 5%	1/10W
JR905	1-216-296-00	METAL GLAZE 0 5%	1/8W	R925	1-216-089-91	METAL GLAZE 47K 5%	1/10W
JR906	1-216-295-00	METAL GLAZE 0 5%	1/10W	R926	1-216-039-00	METAL GLAZE 390 5%	1/10W
JR909	1-216-296-00	METAL GLAZE 0 5%	1/8W	R927	1-216-039-00	METAL GLAZE 390 5%	1/10W
JR910	1-216-296-00	METAL GLAZE 0 5%	1/8W	R928	1-216-089-91	METAL GLAZE 47K 5%	1/10W
JR911	1-216-296-00	METAL GLAZE 0 5%	1/8W	R929	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
JR915	1-216-295-00	METAL GLAZE 0 5%	1/10W	R930	1-216-113-00	METAL GLAZE 470K 5%	1/10W
JR917	1-216-296-00	METAL GLAZE 0 5%	1/8W	R931	1-216-212-00	METAL GLAZE 3.9K 5%	1/8W
JR918	1-216-295-00	METAL GLAZE 0 5%	1/10W	R932	1-216-113-00	METAL GLAZE 470K 5%	1/10W
JR919	1-216-296-00	METAL GLAZE 0 5%	1/8W	R933	1-216-073-00	METAL GLAZE 10K 5%	1/10W
JR920	1-216-295-00	METAL GLAZE 0 5%	1/10W	R934	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
JR921	1-216-295-00	METAL GLAZE 0 5%	1/10W	R935	1-216-022-00	METAL GLAZE 75 5%	1/10W
JR923	1-216-296-00	METAL GLAZE 0 5%	1/8W	R936	1-216-022-00	METAL GLAZE 75 5%	1/10W
JR924	1-216-296-00	METAL GLAZE 0 5%	1/8W	R937	1-216-113-00	METAL GLAZE 470K 5%	1/10W
JR926	1-216-296-00	METAL GLAZE 0 5%	1/8W	R938	1-216-039-00	METAL GLAZE 390 5%	1/10W
JR927	1-216-296-00	METAL GLAZE 0 5%	1/8W	R939	1-216-188-00	METAL GLAZE 390 5%	1/8W
JR928	1-216-296-00	METAL GLAZE 0 5%	1/8W	R940	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
JR935	1-216-296-00	METAL GLAZE 0 5%	1/8W	R941	1-216-113-00	METAL GLAZE 470K 5%	1/10W
JR939	1-216-295-00	METAL GLAZE 0 5%	1/10W	R942	1-216-188-00	METAL GLAZE 390 5%	1/8W
JR940	1-216-296-00	METAL GLAZE 0 5%	1/8W	R943	1-216-089-91	METAL GLAZE 47K 5%	1/10W
JR942	1-216-296-00	METAL GLAZE 0 5%	1/8W	R944	1-216-188-00	METAL GLAZE 390 5%	1/8W
JR944	1-216-295-00	METAL GLAZE 0 5%	1/10W	R945	1-216-089-91	METAL GLAZE 47K 5%	1/10W
JR946	1-216-296-00	METAL GLAZE 0 5%	1/8W	R946	1-216-022-00	METAL GLAZE 75 5%	1/10W
JR947	1-216-295-00	METAL GLAZE 0 5%	1/10W	R947	1-216-029-00	METAL GLAZE 150 5%	1/10W
JR952	1-216-296-00	METAL GLAZE 0 5%	1/8W	R948	1-216-073-00	METAL GLAZE 10K 5%	1/10W
JR954	1-216-295-00	METAL GLAZE 0 5%	1/10W	R949	1-216-113-00	METAL GLAZE 470K 5%	1/10W
JR955	1-216-296-00	METAL GLAZE 0 5%	1/8W	R950	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
JR956	1-216-295-00	METAL GLAZE 0 5%	1/10W	R951	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
JR957	1-216-295-00	METAL GLAZE 0 5%	1/10W	R952	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R282	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R953	1-216-188-00	METAL GLAZE 390 5%	1/8W
R283	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R954	1-216-039-00	METAL GLAZE 390 5%	1/10W
R284	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R955	1-216-039-00	METAL GLAZE 390 5%	1/10W
R287	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W	R956	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R288	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W	R957	1-216-039-00	METAL GLAZE 390 5%	1/10W
R289	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R958	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R290	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W	R959	1-216-674-11	METAL CHIP 9.1K 0.50%	1/10W
R291	1-249-413-11	CARBON 470 5%	1/4W	R960	1-216-674-11	METAL CHIP 9.1K 0.50%	1/10W
R292	1-249-413-11	CARBON 470 5%	1/4W	R961	1-216-674-11	METAL CHIP 9.1K 0.50%	1/10W
R901	1-216-039-00	METAL GLAZE 390 5%	1/10W	R965	1-216-029-00	METAL GLAZE 150 5%	1/10W
R902	1-216-039-00	METAL GLAZE 390 5%	1/10W	R966	1-216-029-00	METAL GLAZE 150 5%	1/10W
R903	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R967	1-216-029-00	METAL GLAZE 150 5%	1/10W
R904	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R968	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R905	1-216-188-00	METAL GLAZE 390 5%	1/8W	R969	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R906	1-216-039-00	METAL GLAZE 390 5%	1/10W	R970	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R907	1-216-029-00	METAL GLAZE 150 5%	1/10W	R971	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R908	1-216-029-00	METAL GLAZE 150 5%	1/10W	R972	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R909	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R973	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R910	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R974	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
R911	1-216-022-00	METAL GLAZE 75 5%	1/10W	R975	1-216-113-00	METAL GLAZE 470K 5%	1/10W
				R976	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
				R977	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
MISCELLANEOUS			

	1-239-728-11	NETWORK, DIVIDING	
	Δ 1-406-806-21	COIL, DEMAGNETIZATION	
	Δ 1-451-404-21	DEFLECTION YOKE (Y25GXA)	
	Δ 1-452-509-42	NECK ASSY, PICTURE TUBE (NA-308)	
	1-504-333-11	SPEAKER (5X11CM)	
	1-504-398-11	SPEAKER	
	1-544-767-11	SPEAKER (13CM)	
	Δ 1-590-460-11	CORD, POWER(WITH NOISE FILTER) 7.0A/250V (KV-E2541B, E2543E)	
	Δ 1-590-762-11	CORD, POWER(WITH PLUG) 2.5A/250V (KV-E2542U)	
	Δ 1-751-680-11	CORD, POWER(WITH NOISE FILTER) 2.5A/250V (KV-E2541A, E2541D)	
	1-696-406-11	CABLE, SPEAKER (WITH GROMMET)	
	1-696-407-11	CABLE, SPEAKER (WITH GROMMET)	
	1-751-616-11	CABLE, SPEAKER (WITH GROMMET)	
V901	Δ 8-733-232-05	PICTURE TUBE (M60KWL10X)	

ACCESSORIES AND PACKING MATERIALS			

	A-1678-062-A	BOX COMPLETE ASSY (L)	
	A-1678-063-A	BOX COMPLETE ASSY (R)	
	A-1678-071-A	BOX COMPLETE ASSY WOOFER	
	*4-039-905-01	BAG, PROTECTION	
	4-202-388-01	DOOR, REAR	
	4-202-393-11	MANUAL, INSTRUCTION (KV-E2541D) (GERMAN/ENGLISH/FRENCH/DUTCH/ITALIAN)	
	4-202-393-41	MANUAL, INSTRUCTION (KV-E2541A) (ITALIAN)	
	4-202-393-51	MANUAL, INSTRUCTION (KV-E2541B) (FRENCH/GERMAN/ITALIAN)	
	4-202-393-61	MANUAL, INSTRUCTION (KV-E2542U)	
	4-202-393-71	MANUAL, INSTRUCTION (KV-E2543E) (SPANISH)	
	4-202-393-81	MANUAL, INSTRUCTION (KV-E2543E) (FRENCH/DUTCH/SWEDISH/DANISH/ FINNISH/NORWEGIAN/PORTUGUESE)	
	4-202-393-91	MANUAL, INSTRUCTION (KV-E2541D)	
	*4-202-441-01	INDIVIDUAL CARTON	
	*4-202-442-01	CUSHION (LOWER) (ASSY)	
	*4-202-443-01	CUSHION (UPPER) (ASSY)	
	*4-202-449-01	CAP, KEY HOLE	
	*4-202-538-01	BAG, PROTECTION	
REMOTE COMMANDER			
	1-467-272-11	COMMANDER, STANDARD TYPE (RM831)	
	9-903-466-01	POCKET COVER (FOR RM831)	